

ANSMANN

PRODUCTS 2020



ANSMANN[®]

ANSMANN

IT ALL STARTED IN A GARAGE

From garage company to global player - ANSMANN AG can look back on an impressive company development.

The continuous further development along with numerous distinctions for products and corporate culture, bears testimony to the positive influence of the corporate philosophy on the actions and work of the employees.



29
YEARS

Experience in
**RESEARCH &
DEVELOPMENT**

6

Offices
WORLDWIDE

China, Hong Kong,
United Kingdom,
Nordic, BeneLux,
France



Würth Future
Champion Award,
Test winner, prize
Performance winner,
Accessories of the
month



OVER
400
EMPLOYEES

OVER
100
DISTINCTIONS



PROCESSED
CELLS
per minute

133

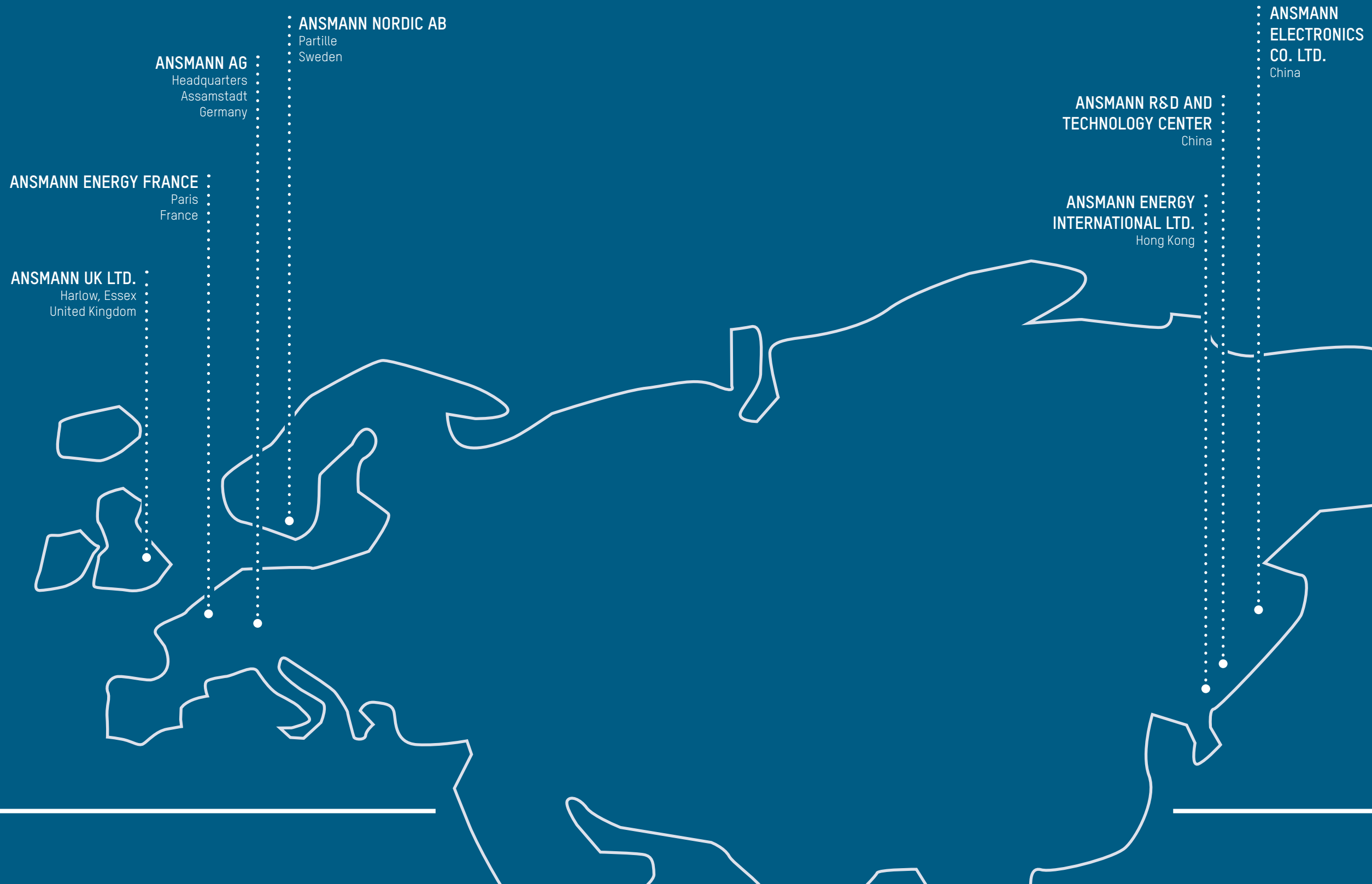
WE ARE

MARKET LEADER

WORLDWIDE

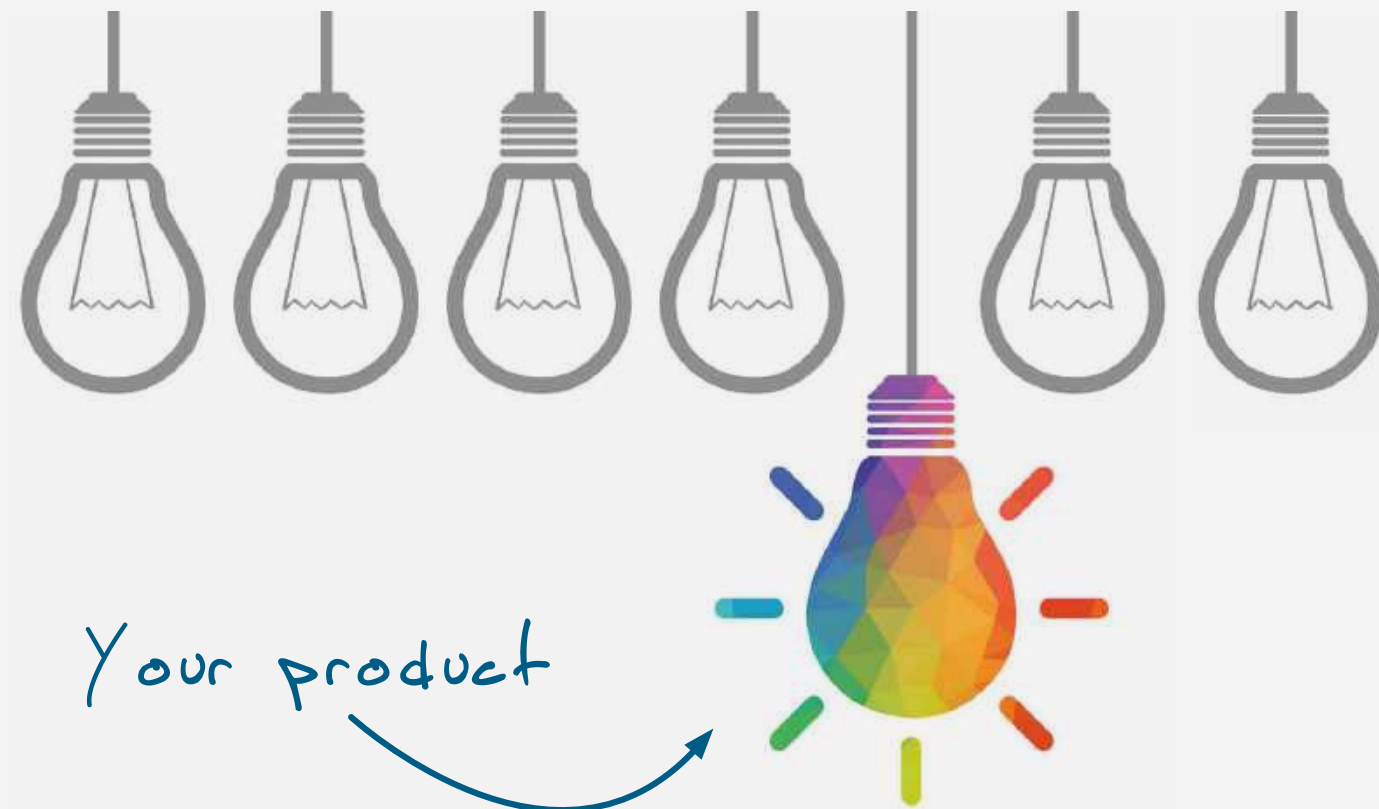
fast and flexible

*The best product is of little use,
if it is not on time to the customer.*



Our technology YOUR BRAND

We analyse the market for you and provide you with recommendations on the potential as well as the needs of your target group. Based on this we develop a customer-oriented assortment proposal for expansion or construction of your own private labels. We are happy to support you with our experience in selection of suitable products, optimal units of volume and the design for your products and brands. Take advantage of our efficient processes and a short „time-to-market“.



Advice

- 1 Our extensive product range offers many possibilities and opportunities. Together we will discuss which products can help you further and specify the first technical requirements.



Offer

- 2 We will provide you with an offer that includes all important data, minimum quantity, costs and delivery times. All facts at a glance.



Technology

- 3 We will tell you everything about your desired product. From technical data and dimensions to weight and accessories: Everything that is important for you.



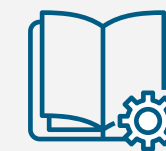
Individually

- 4 With us you will receive your products not only with your own label, but with your own design - products with a clear recognition value of your brand. Incomparable, unique! That way you are the only one in the market.



Packaging

- 5 Don't leave the first impression to chance: We will support you with the packaging design - also based on your corporate design or on a meaningful template product.



Guide

- 6 We create your operating instructions according to your needs. Starting with the professionally translated texts and ending with the letter and layout according to your design specifications.



Logistics

- 7 We are happy to adapt to your processes and requirements. We implement your specifications or make program-based suggestions for optimal storage and palletizing.

IN 7 STEPS TO YOUR OWN PRIVATE LABEL

Our solutions for YOUR MARKET

A large part of purchasing decisions are still made directly at the Point of Sale. Second placements serve to guide the decision of customers at the POS and customers should make an unplanned purchase through a special offer. Therefore they are an effective, sales-promoting tool.

EXPERTISE ABOUT SECOND PLACEMENTS

Through our individual display concept, increases in sales of up to 20 % can be achieved

The purchase of accessory products, such as batteries, rechargeable batteries & USB accessories are strongly impulse driven

Especially for batteries and rechargeable batteries, the majority of sales are generated by secondary placements

Displays are designed to encourage customers to buy. Therefore these are placed in highly frequented zones or in the checkout area

ANSMANN products also sell excellently as a cross-selling product in shelf with other related products



1

Highly frequented areas

Floor displays, middle room presenter and basket chutes are suitable in main corridors, at the entrance and near cash desks. In these strong frequented zones, customers become impulse buyers.



2

Checkout areas

In this area customers take articles spontaneously or everyday items. We offer a variety of different display solutions & product placements.

3

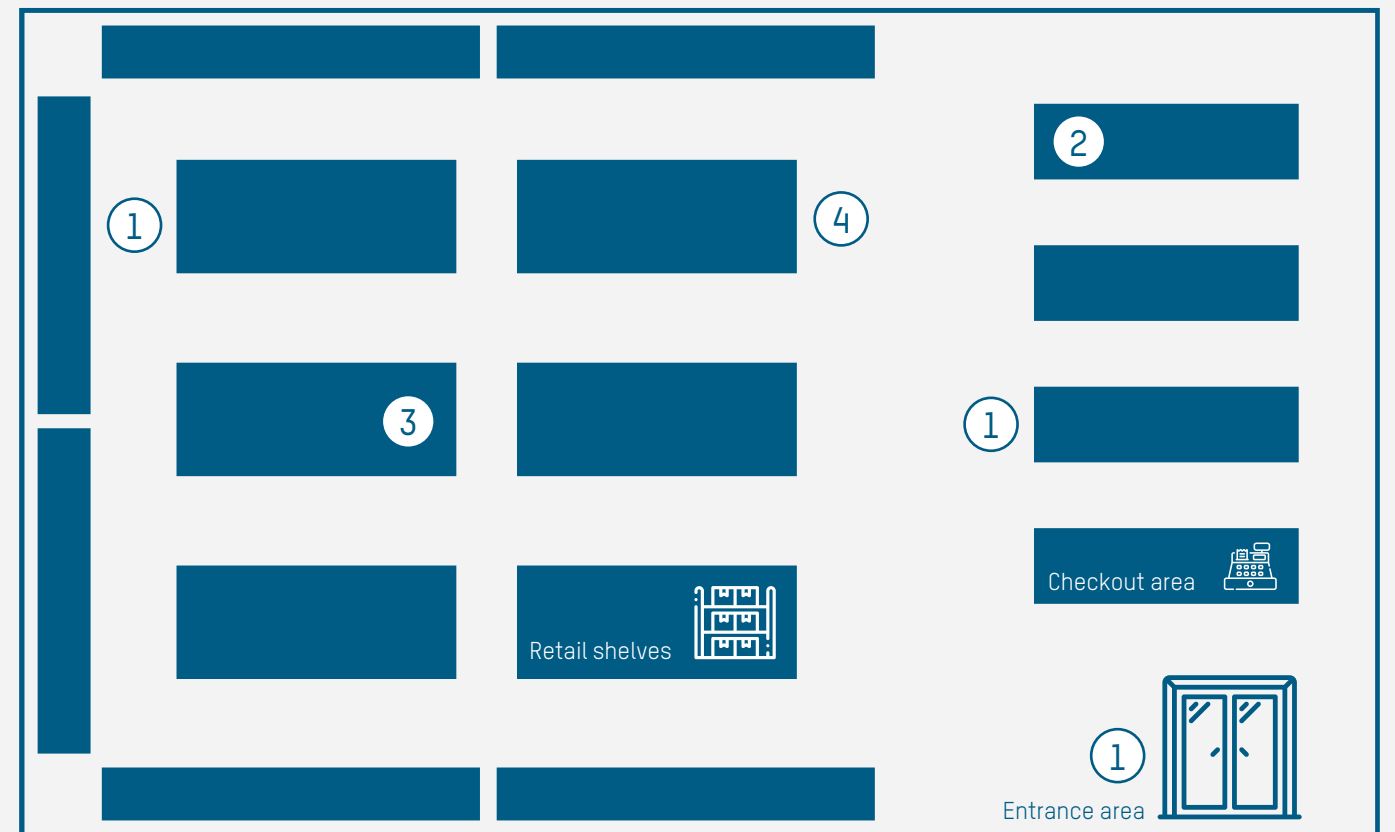
Cross-Selling

Cross-selling offers a great opportunity to make additional turnover. Our batteries and rechargeable batteries can be perfectly placed next to cameras, household appliances, etc.

4

Shop-In-Shop

With our Shop-in-Shop solutions we offer our customers the full ANSMANN feeling from information to function testing. In addition the displays are pre-assembled on the delivered pallet.



THE RIGHT DISPLAY FOR EVERY SITUATION

CONTENT



RECHARGEABLE & PRIMARY BATTERIES

- 14** High-Capacity
- 16** Max E
- 18** Camera battery packs
- 22** Original Alkaline
- 24** X-Power Alkaline
- 26** Extreme Lithium
- 28** Button cells
- 30** Hearing aid cells
- 32** Testers
- 36** Storage boxes



CHARGERS

- 40** Comfort Range
- 46** Professional
- 54** Everyday
- 58** Specialist
- 62** USB- & Qi chargers
- 70** USB car chargers
- 74** Car chargers



MORE ACCESSORIES

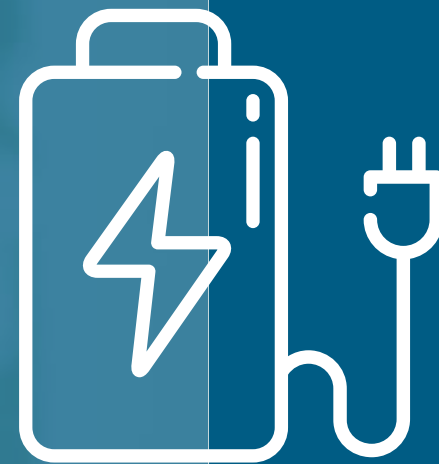
- 78** Powerbanks
- 92** USB cable
- 96** Smartphone holder
- 100** Universal power supplies
- 104** Travel adapters



LED LIGHT

- 110** Professional flashlights
- 116** Outdoor flashlights
- 126** Headlights
- 132** Work lights
- 142** Working floodlights
- 146** Wall spotlight
- 150** Home & Office

RECHARGEABLE BATTERIES



Little everyday heroes with **POWER**

Our rechargeable batteries in the classic standard sizes are the optimal energy supply for a variety of applications. ANSMANN batteries are durable and robust. From entry level to the high performance range the suitable battery solution is offered to everyone by the ANSMANN assortment.

HIGH-CAPACITY

PREMIUM & SPECIAL BATTERIES —

Professionals and frequent users like to use batteries with the highest capacity, with Mignon AA batteries up to 2850 mAh. The cells are developed so that they can release large amounts of energy in a short time. This is important, for example, in the camera flash or in measuring equipment. They are also the optimal choice for GPS devices and pocket devices for the longest possible runtimes.



MOST FREQUENT FIELDS OF APPLICATION



We recommend these batteries especially for applications with high energy requirements, frequent use or long runtimes.

AVAILABLE CELL SIZES



All technical data on page 158

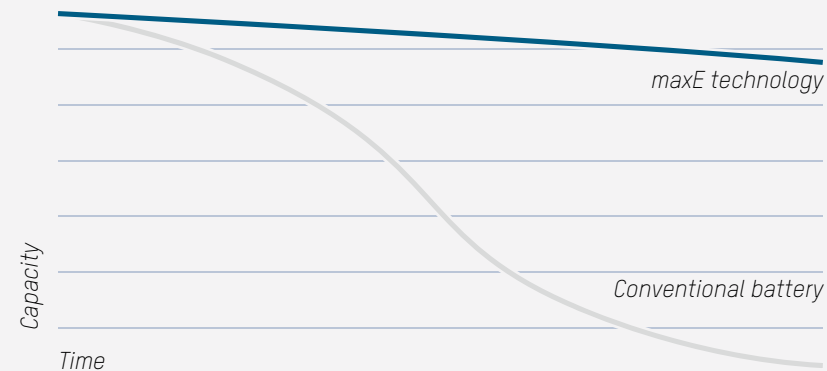
MAX E

PREMIUM & SPECIAL BATTERIES

Premium batteries with maxE technology are the optimal solution for demanding everyday users. MaxE batteries combine high capacity with very low self-discharge. After one year of storage, about 80 % of the initial capacity is still available.



SELF-DISCHARGE 1 YEAR



MOST FREQUENT FIELDS OF APPLICATION



toys



dect phones



baby monitors



wireless mice



game controllers



remote controls

AVAILABLE CELL SIZES



Micro AAA
HR03



Mignon AA
HR6



Baby C
HR14



Mono D
HR20



E-Block
6HR61

All technical data on page 158

CAMERA BATTERY

PACKS

The professional's choice for high quality lithium-ion battery packs are the perfect energy source for your camera. The high capacity and particularly long service life of ANSMANN rechargeable batteries provide more confidence in energy-intensive equipment.



NUMEROUS PROTECTION FEATURES



overload protection



overvoltage protection



short-circuit protection

In addition to the excellent price/performance ratio, the batteries are particularly impressive due to their perfect fit and up to 5 years warranty.

COMPATIBLE WITH THE MODELS OF THE FOLLOWING MANUFACTURERS

Canon CASIO FUJIFILM Nikon
OLYMPUS Panasonic PENTAX SONY

All technical data on page 160

BATTERIES



Versatile athletes

There are many applications where a rechargeable battery does not offer the optimal solution. Whenever the application keeps the set of batteries in for longer than six weeks, disposable batteries might be the perfect choice. With ANSMANN batteries you can choose the best battery for longevity and endurance using the highest quality.

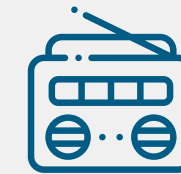
ORIGINAL

ALKALINE

The ANSMANN ALKALINE is the ideal energy source for standard devices of daily use. It is ideal for the price-oriented consumer and is available in the usual Big 5 sizes.



MOST FREQUENT FIELDS OF APPLICATION



radios



remote controls



wall clocks

We recommend these ALKALINE batteries especially for applications with long-term use, without frequent changing.

AVAILABLE CELL SIZES



Micro AAA
LR03



Mignon AA
LR6



Baby C
LR14



Mono D
LR20



E-Block
6LR61

All technical data on page 162

X-POWER

ALKALINE

The ANSMANN X-POWER is the ideal energy source for demanding applications with high energy requirements. The X-POWER shines with high reliability and long service life.



MOST FREQUENT FIELDS OF APPLICATION



remote controlled toys



torches



motion detectors

We recommend the X-POWER premium batteries especially for applications with high performance and high demands.

AVAILABLE CELL SIZES



Mini AAAA
LR8D425



Micro AAA
LR03



Mignon AA
LR6



Baby C
LR14



Mono D
LR20



E-Block
6LR61

All technical data on page 162

EXTREME

LITHIUM

The ANSMANN Extreme Lithium offers many times the performance of a standard battery. They can withstand extreme temperature fluctuations and have a very long shelf life. They also benefit from being around 35 % lighter than alkaline batteries of the same size.



MOST FREQUENT FIELDS OF APPLICATION



flash lights



alarm systems



extremely
temperature
resistant

We recommend the EXTREME LITHIUM batteries especially for applications with high performance at extreme temperatures.

AVAILABLE CELL SIZES



Micro AAA
FR03



Mignon AA
FR6



E-Block
CR-V9

All technical data on page 163

BUTTON CELLS

ANSMANN offers a wide range of button cells and special batteries. These include various lithium, alkaline or silver oxide batteries for a wide range of applications as well as lithium photo batteries for classic analogue cameras or flashlights.



MOST FREQUENT FIELDS OF APPLICATION



cameras



car radio keys



garage doors



wristwatches



torches



calculators

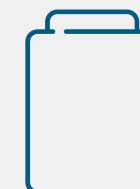
AVAILABLE CELL SIZES



coin cells



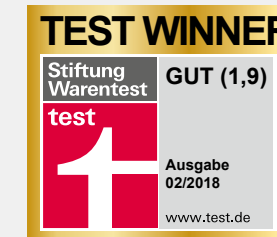
round cells



2CR5

HEARING AID CELLS

Modern hearing aids are powered by tiny zinc-air batteries. ANSMANN offers the four most common sizes in a practical 6-pack blister with safe individual withdrawal. The outstanding quality of our hearing aid cells has been tested by LGA and awarded by Stiftung Warentest.



WORTH KNOWING

LONGER SERVICE LIFE

Only remove the protective film shortly before use and let it rest for one minute

Storage at room temperature

Open the battery doors when the hearing aid is not in use.

Leave the battery for 1 minute after removing the protective film and then insert it into your hearing aid.

AVAILABLE CELL SIZES



675
PR44
1,45 V



13
PR48
1,45 V



312
PR41
1,45 V



10
PR70
1,45 V

All technical data on page 165

TESTER

RECHARGEABLE BATTERIES & BATTERIES

Will the battery last or does it need to be replaced? Reliable information about the charge status of your rechargeable batteries and batteries are provided by ANSMANN test equipment. That helps you to sort out overlaid or tired cells.



ENERGY CHECK LCD

Test station for rechargeable batteries, batteries and button cells

Display of the remaining voltage in Volt

Display of remaining capacity in 10 % steps

Part No. 4000392



WHICH BATTERIES CAN BE TESTED?



Lithium-button cells

i.e.
CR 1025
CR 1620



Lithium photo batteries

i.e.
CR 2
CR 123 A



Alkaline button cells

i.e.
LR 43
LR 54



Zinc-air button cells

i.e.
675
13



Alkaline batteries

i.e.
AAA
9 V





NiCd-NiMH batteries

i.e.
AA
C

All technical data on page 165

BATTERY TESTER



-  alkaline round cells
-  alkaline coin cells
-  various NiMH batteries

Suitable for round cells and 9 V blocks

Analogue display of the remaining capacity

Display: good, low, replace

Part No. 4000001

POWER CHECK

Car tester for testing 12 volt car batteries

Precise checking of the state of charge

Precise checking of the car battery's readiness to start

Detects defective car batteries

Performing a load test of the car battery

Part No. 4000002



car batteries



ENERGY CHECK

Energy check to check the battery voltage

Monitoring of 12 V or 24 V batteries and the alternator or charge regulator

Easy to use car adapter

Actual measured output voltage of the car battery accurate to 0.1 volt

Very bright, high quality LED display

Part No. 1900-0019



car batteries



COIN CELL TESTER

Suitable for alkaline and lithium button cells

Automatic detection of the voltage (alkaline and lithium)

Capacity display via 5 LEDs

Includes CR-1620 button cell for operating the tester

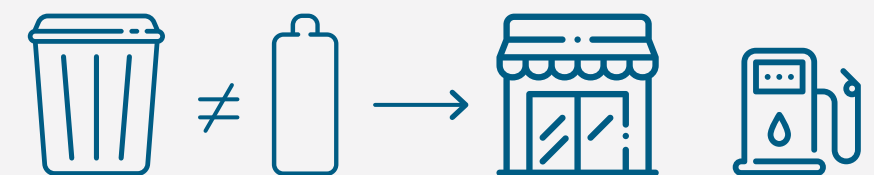
Part No. 1900-0035



alkaline coin cells



EMPTY BATTERIES
WHERE TO PUT THEM?



Batteries and accumulators should not be thrown in the household waste!
Put the empty batteries next to your shopping bag, so you can take them with you on your next shopping trip.

In the checkout area of your supermarket there are usually battery recycling boxes.
Further recycling points: supermarkets, department stores, electrical shops, petrol stations.

All technical data on page 165

BOXES

RECHARGEABLE BATTERIES & BATTERIES

With the practical storage boxes from ANSMANN you can keep your batteries tidy and protected at all times! So you always have the right battery at hand, at home and on the road.



WHICH
CELLS
CAN BE
STORED?



Alkaline
Micro AAA



Alkaline
Mignon AA



Alkaline
E-Block



Recharge-
able battery
Micro AAA



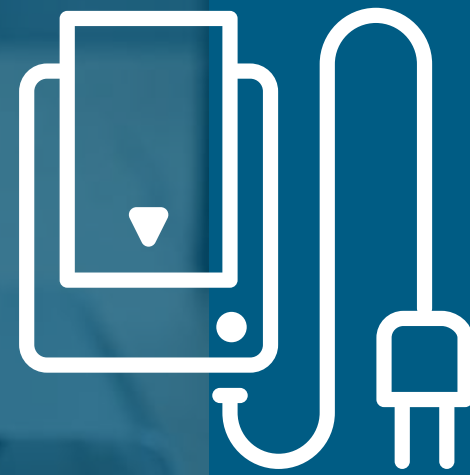
Recharge-
able battery
Mignon AA



Recharge-
able battery
E-Block

All technical data on page 163

CHARGERS



Gently & quickly charged

Rechargeable batteries are only as good as they are cared for. This old principle applies in times of Li-Ion and NiMH batteries more than ever. The perfect charger is gentle on the battery, maintains and protects your battery, while it is reliable and fast charging. We are so convinced of the quality of our products that we offer an extended warranty of 3 years on our chargers.

COMFORT RANGE

FEATURES



PERFECT 7 Charging TECHNOLOGY

The fully automated 7-step charging maximizes service life and the performance of your batteries considerably. The innovative charging process is based on the latest findings from battery research and takes into account a multitude of parameters. You can find more information on page 44.



Fast charge MODE

The new COMFORT series from ANSMANN charges your compatible NiMH batteries at up to 800 mA ultra fast and controlled. This not only saves you wasted time, but also enables you to get by with less batteries.



Capacity QUICK TEST

Directly after insertion the quick capacity test determines the residual charge of your battery and shows this in the LED panel for 5 seconds. The automatic detection of low performance batteries avoids bad surprises.



Protection FUNCTION

Several, interconnected systems protect the inserted batteries from overheating and overcharging. This is why you can relax while your batteries are being charged.



Perfect charging is that simple

Thanks to the intelligent „PERFECT 7“ charging technology, the Comfort Smart precisely charges your batteries fully. It is gentle and efficient ensuring your batteries have a long service life. The COM-FORT range of chargers are amongst the most innovative and highly developed on the market.



Intelligent „PERFECT 7“ charging function

Quick capacity test of the inserted batteries

Display of the battery status by multicoloured LED per charging bay

Monitoring the charge level of each battery

Battery defect detection, reverse polarity protection, overcharge protection, pulse conservation charging

Part No. 1001-0092



COMFORT SMART

* Charging time for Mignon AA 1000 mAh
All technical data on page 170

COMFORT MINI



-  NiMH
AAA, AA
-  1,5 h*
-  5 V USB

- Intelligent „PERFECT 7“ charging function
- Quick capacity test of the inserted battery
- Display of the battery status by multicoloured LED per charging slot
- Monitoring the charge level of each individual battery
- Battery defect detection, reverse polarity protection, multiple overcharge protection and automatic switchover to pulse conservation charging

Part No. 1001-0091

COMFORT MULTI



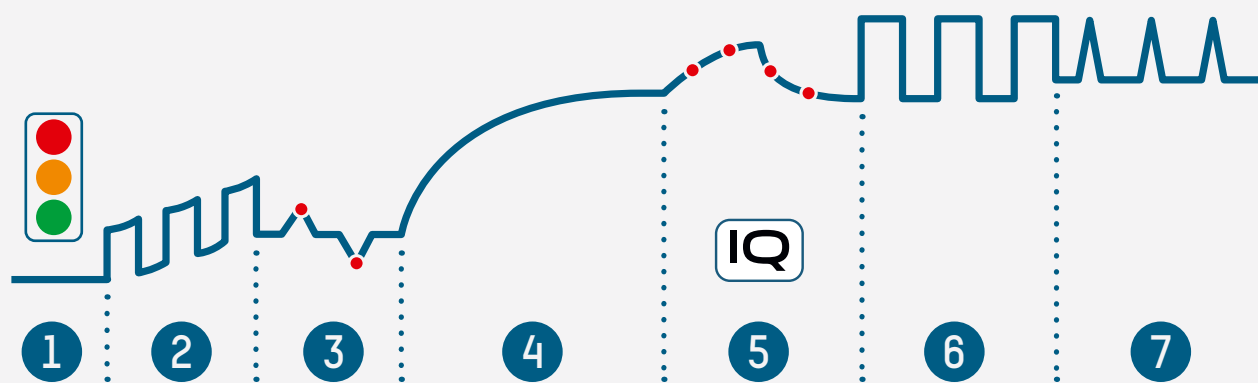
-  NiMH
AAA, AA,
C, D,
E (9 V)
-  1,5 h*
-  5 V USB

- Intelligent „PERFECT 7“ charging function
- Quick capacity test of the inserted battery
- Display of the battery status by multicoloured LED per charging slot
- Monitoring the charge level of each individual battery
- Battery defect detection, reverse polarity protection, multiple overcharge protection and automatic switchover to pulse conservation charging

Part No. 1001-0093

PERFECT 7 CHARGING

THE NEXT LEVEL NiMH CHARGING TECHNOLOGY



- 1** Quick capacity test
The residual charge of the battery is determined before charging begins and is shown as a traffic light system for 5 seconds.
- 2** Gentle charging
A weak or deeply discharged battery is precharged with a lower electric current.
- 3** Battery analysis
The battery behaviour of the cell is analysed and evaluated to determine whether these are still reliable usable or defective.
- 4** Quick charge
The battery is charged with the maximum electric current.
- 5** IQ shutdown
The intelligent monitoring of the rechargeable batteries ensures a reliable charge and multiple protection against overloading.
- 6** Top off load
At this stage, it is ensured that the battery is gently charged to 100 %.
- 7** Trickle charging
The battery is kept in a fully charged state by means of charging pulses.

All technical data on page 170



Comfort Mini



Comfort Smart



Comfort Multi



* Charging time for Mignon AA 1000 mAh

PROFES- SIONAL

FEATURES



Overload PROTECTION

Rechargeable batteries are sensitive energy storage devices. They want to be well looked after in order to be ready for use. This also includes that they are not overcharged. ANSMANN chargers analyse the charge level and stop the charge as soon as the battery is full.



Overheating PROTECTION

After the charging process is successfully completed, the ANSMANN chargers automatically change to the preservation mode. With short charging pulses the charger maintains the full charge of the battery.



Discharge MODE

Batteries with NiMH technology have wiped out the „memory effect“ almost completely. However, to be completely safe, the Powerline 4.2 Pro, 5 Pro and 8 chargers can have their battery completely discharged once before recharging using the discharge mode.



Capacity TEST

Would you like to know how much of its original capacity your battery can still deliver? The Powerline 4.2 Pro and 5 Pro chargers test the real available capacity of your batteries in a multi-part capacity analysis.



Quick charge MODE

The charging current for the Powerline 4.2 Pro and 5 Pro can be selected manually in advance using the function keys and the inserted round cells can thus be charged with up to 1800 mA in a rapid charging process.



Various PROTECTIONS

Several interconnected systems protect the inserted batteries from overheating and overcharging. So you can sit back comfortably while your battery is being recharged to full capacity.

Universal, simply an all-rounder

The Powerline 4.2 Pro is the perfect combination of universal charger and test station. Extensive and extremely useful functions meet the demands of professional users in both the commercial and private sectors at an unbeatable price-performance ratio.



Individually selectable charging programs: Charge, discharge, refresh, test

Adjustable charging currents per charging bay

Display of all relevant parameters via LCD: charging program, voltage, capacity, time, current

Monitoring the charge level of each individual battery

Battery defect detection, reverse polarity protection, overcharge protection, pulse conservation charging

Part No. 1001-0079



POWERLINE

4.2 PRO

* Charging time for Mignon AA 1000 mAh
All technical data on page 168

POWERLINE 4 LIGHT



NiMH
AAA, AA

2,6 h*

100-240 V AC

Display of battery voltage in volts and charging status in percent via LED

Monitoring the charge level of each individual battery

Battery defect detection, reverse polarity protection, multiple overcharge protection and automatic switchover to pulse conservation charging

Part No. 1001-0011

POWERLINE 8



NiMH
AAA, AA

2,3 h*

100-240 V AC

Discharge function selectable

Display of the battery status by multicoloured LED per charging slot

Monitoring the charge level of each individual battery

Battery defect detection, reverse polarity protection, multiple overcharge protection and automatic switchover to pulse conservation charging

Part No. 1001-0006

POWERLINE 5 PRO

Individually selectable charging programs: Charge, discharge, refresh, test

Adjustable charging currents per charging bay

Display of all relevant parameters via LCD: charging program, voltage, capacity, time, current

Monitoring the charge level of each individual battery

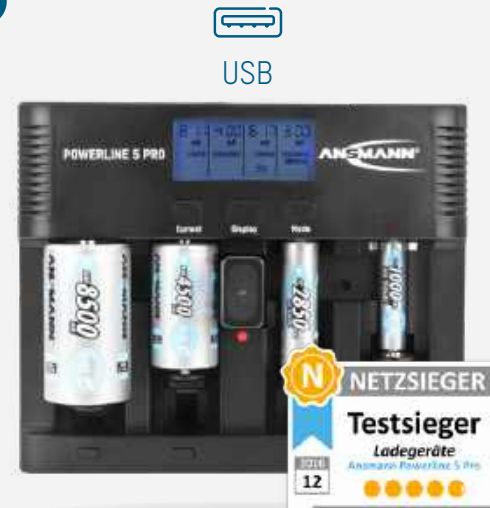
Battery defect detection, reverse polarity protection, multiple overcharge protection and automatic switchover to pulse conservation charging

Part No. 1001-0018

NiMH
AAA, AA,
C, D, E (9 V)

0,6 h*

100-240 V AC,
12 V car



HOW ARE
NiMH
BATTERIES
STORED
CORRECTLY?



Always store the battery in a dry place



Store battery at room temperature, preferably at a temperature between 18° and 25° C



Never completely discharge the battery. Therefore recharge every 2-3 months.

POWERLINE VARIO X



-  Li-Ion,
Li-Po,
NiMH
AAA, AA
-  1,2 h*
-  5 V USB

Universal charger for Li-Ion/Li-Po battery packs or 2x Mignon AA or Micro AAA NiMH batteries

Automatic voltage and polarity detection for lithium batteries

Sliding contacts for individual adaptation to the most Li-Ion/Li-Po battery packs

Battery defect detection

Ideal for travel, compact and lightweight

Part No. 1001-0085

POWERLINE 2

Charge status display via LED

Monitoring the charge level of each individual battery

Battery defect detection, reverse polarity protection, multiple overcharge protection and automatic switchover to pulse conservation charging

Part No. 5107043

-  NiMH
E (9 V)
-  1,7 h/
100 mAh
-  100-240 VAC



ENERGY 8 PLUS

Auto diagnosis of the inserted batteries and, if required, automatic start of a precharge and/or refreshing process

Quick capacity test of the inserted battery

Display of the battery status by multicoloured LED per charging slot

Monitoring the charge level of each individual battery

Battery defect detection, reverse polarity protection, multiple overcharge protection and automatic switchover to pulse conservation charging

Part No. 5207442

-  NiMH
AAA, AA,
C, D, E (9 V)
-  1,2 h*
-  100-240 VAC



ENERGY 16 PLUS

Auto diagnosis of the inserted batteries and, if required, automatic start of a precharge and/or refreshing process




Quick capacity test of the inserted battery

Display of the battery status by multicoloured LED per charging slot

Monitoring the charge level of each individual battery

Battery defect detection, reverse polarity protection, multiple overcharge protection and automatic switchover to pulse conservation charging

Part No. 1001-0004

-  NiMH
AAA, AA,
C, D, E (9 V)
-  2x USB
-  1,2 h*
-  100-240 VAC



EVERY DAY

FEATURES



Overload PROTECTION

Rechargeable batteries are sensitive energy storage devices. They want to be well looked after in order to be ready for use. This also includes that they are not overcharged. ANSMANN chargers analyse the charge level and stop charging as soon as the battery is full.



Overheating PROTECTION

After the charging process has been successfully completed, the ANSMANN chargers automatically switch to the trickle mode. With short charging pulses the charger maintains the full charge of the battery.




LCD Display


All ANSMANN chargers show you the current status of the charging process. The Photocam IV charger also has an LCD display with extended information, e.g. the charging status.

PHOTOCAM III






 NiMH
 AAA, AA



 2,3 h*



 100-240 V AC

Charging status display via LED

Charging in pairs for 2 or 4 batteries

Battery defect detection, reverse polarity protection, multiple overcharge protection and automatic switchover to pulse conservation charging

Part No. 5117003 (incl. 4x AA maxE) | 5007093 (incl. 4x AA)


PHOTOCAM IV

Charging status display via illuminated LCD


Charging in pairs for 2 or 4 batteries

Battery defect detection, reverse polarity protection, multiple overcharge protection and automatic switchover to pulse conservation charging


Part No. 5307263 | 5317263 (incl. 4x AA maxE)



 NiMH
 AAA, AA



 2,3 h*



 100-240 V AC



PHOTOCAM V

Quick capacity test of the inserted battery

Display of the battery status by multicoloured LED per charging slot

Monitoring the charge level of each individual battery

Battery defect detection, reverse polarity protection, multiple overcharge protection and automatic switchover to pulse conservation charging

Part No. 5207473



 NiMH
 AAA, AA,
 C, D, E (9 V)



 1,5 h*



 100-240 V AC



PHOTOCAM VARIO



 Li-Ion,
 Li-Po,
 NiMH
 AAA, AA



 2,5 h*



 100-240 V AC
 5 V USB

Universal charger for Li-Ion/Li-Po battery packs or 2 Mignon AA or Micro AAA NiMH batteries

Automatic voltage and polarity detection for lithium batteries

Sliding contacts for individual adaptation to most Li-ion/Li-Po battery packs

Battery defect detection

Ideal for travel, compact and lightweight

Part No. 1001-0019

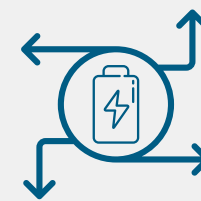


All technical data on page 171

* Charging time for Mignon AA 1000 mAh

SPECIALIST

FEATURES



**Versatile
LOADING
TECHNOLOGY**

Not every application uses the common NiMH technology, e.g. when other voltages or battery size is required. In order to guarantee the optimum charge for each battery technology, ANSMANN offer special chargers which are individually adapted to the characteristics of the different battery systems.



**Overload
PROTECTION**

Rechargeable batteries are sensitive energy storage devices. They want to be well looked after in order to be ready for use. This also includes that they are not overcharged. ANSMANN chargers analyse the charge level and stop charging as soon as the battery is full.



**Various
PROTECTION**

Several interconnected systems protect the inserted batteries from overheating and overcharging. So you can sit back comfortably while your battery is being recharged to full capacity.

NIZN CHARGER



NiZn,
AAA,
AA



2,4 h*



100-240 VAC

Suitable for 1.6 V nickel-zinc batteries

Individual bay monitoring

Microcontroller-monitored charge control

Charge status display via LED

Battery defect detection

Part No. 1001-0013

LITHIUM 2

Charger for 1-2 Li-Ion batteries 26650, 22650, 18650, 18500, 17670, 16340 etc. or 1-2 NiMH batteries Mignon AA / Micro AAA

Automatic detection of Li-Ion and NiMH batteries

Display of the charging status via 3 LEDs per charging slot

Individual bay monitoring

Part No. 1001-0050



Li-Ion,
18650,
NiMH
AAA, AA



2,4 h*



5 V USB



ACS48

Charger for 4-8 cell NiMH battery packs

Automatic recognition of the number of cells

Including polarity changer and 8 different output plugs

Including adapter cable with Tamiya socket for Racing Packs

Short circuit and reverse polarity protection

Part No. 1001-0024



4-8 zellige
NiMH, NiCd



3,5 -
8 h



100-240 VAC



ACS110

Charger for 1-10 cell NiMH battery packs

Automatic recognition of the number of cells

Including polarity changer and 8 different output plugs as well as adapter cable with Tamiya socket for racing packs and adapter cable with crocodile clips

Pre-discharge of the battery pack possible, then automatic switchover to the charging process

Short circuit and reverse polarity protection

Part No. 1001-0023



1-10 cell
NiMH, NiCd



1,5 h



100-240 VAC



* Charging time for Mignon AA 1000 mAh

LI-ION 18650

COMPATIBLE
ANSMANN
PRODUCTS



LED TORCH T400FR

Professional outdoor
torch with 4 lighting
functions

Further details on
page 123

Part No. 1600-0150



LED TORCH T600FRB

Professional outdoor
torch with 5 lighting
functions

Further details on
page 123

Part No. 1600-0268



HEADLIGHT HD500R

Professional outdoor
headlamp with continu-
ous focus

Further details on
page 131

Part No. 1600-0325

All technical data on page 172

USB & Qi CHARGERS

FEATURES



**MULTISAFE
technology**

Even if they look harmless, rechargeable batteries, especially Li-Ion, have a high energy density and therefore a certain potential danger. ANSMANN has developed several protection systems to protect you and your device against overload, deep discharge, short circuit and overcharge of the battery.



**Wireless
CHARGING**

I want to break free! The dreams of cable-plagued smartphone users are finally coming true: Our modern Qi chargers enable wireless charging - just by resting them on. The worldwide common system standard „Qi“ is now supported by almost all smartphone manufacturers.



**USB Type C
CONNECTOR**

Fit for the future: With the new and flexible USB Type C ports you not only charge with more power, but also much faster. The new standard is used by numerous manufacturers and enables compatibility across many areas.



**Power
DELIVERY**

Power Delivery is a new fast-charging standard that can deliver up to 100 watts of power via the new USB Type C connector. Compatible notebooks can now also be charged without the need of a special power supply.

 Quick Charge
COMPATIBLE 3.0

PD  Power
Delivery



The Power Delivery All-Charger

The USB-PD charger with a power of 60 watt offers the ideal charging solution for your application. Thanks to the intelligent charging control and multisafe technology, your application is optimised and safely charged. The very low stand-by consumption makes this charger not only efficient but also economical.

 USB Type C PD  USB  60 W

Intelligent charge control ensures an optimised charge

Integrated power delivery (PD) protocol for fast charging of notebooks

Multisafe technology protects your terminal devices and the charger

Input:
110 - 240 V AC | 50/60 Hz | max. 1,3 A

Output:
5 - 20 V | max. 3 A






Part No. 1001-0096



HOME CHARGER 254PD

All technical data on
page 174

HOME CHARGER 247PD

Intelligent charge control ensures an optimised charge

Integrated power delivery (PD) protocol for fast charging of notebooks

Multisafe technology protects your terminal devices and the charger




Input: 110 - 240 V AC | 50/60 Hz | max. 1 A

Output: 5 - 20 V | max. 3 A

45 W

Part No. 1001-0095

HOME CHARGER 231

Intelligent charge control ensures optimised charging

Multisafe technology protects your terminal devices and the charger

Suitable for devices that are charged or operated via USB




Input: 100-240 V AC | 50/60 Hz | 0,5 A

Output: 5 V DC | max. 3,1 A

15 W

Part No. 1001-0067-1

USB CHARGER 112 USB CHARGER 224

Intelligent charge control ensures optimised charging




Multisafe technology protects your terminal devices and the charger

Suitable for devices that are charged or operated via USB

Input: 100-240 V AC | 50/60 Hz | 0,15 A

Output: 5 V DC | max. 1,2 A

Part No. 1001-0030-1

Intelligent charge control ensures optimised charging

Multisafe technology protects your terminal devices and the charger

Suitable for devices that are charged or operated via USB

Input: 100-240 V AC | 50/60 Hz | 0,3 A

Output: 5 V DC | max. 2,4 A

Part No. 1001-0066



POWER DELIVERY

WHAT IS THAT?

Power Delivery is a new fast-charging standard that can deliver up to 100 watts of power via the new USB Type C connector. This means that not only small devices such as smartphones can be charged via USB Type C, but also compatible laptops such as the Apple Macbook Pro no longer require an extra power supply.








100 WATT

18 WATT

12 WATT

1 hour 45 minutes

1 hour 50 minutes

3 hours 15 minutes

Power Delivery can output up to 100 watts. This puts it far ahead of its competitors. Among other things, this also enables the charging of notebooks via USB Type C.

Power Delivery charges compatible devices up to 20 times faster than the USB standard. Here the charging speed on an iPhone XS Max is compared.

HOME CHARGER 248C



Intelligent charge control ensures optimised charging

Multisafe technology protects your terminal devices and the charger

Suitable for devices that are charged or operated via USB

USB

Input: 100 - 240 V AC | 50/60 Hz | 0,7 A

Output: 5 V DC | max. 4,8 A

Part No. 1001-0069

HOME CHARGER 580

Intelligent charge control ensures optimised charging

Automatic control of the output voltage and the output current

Protects your end device and the charger from overload and short circuit

Input: 100 - 240 V AC | 50/60 Hz | max. 1,3 A

Output: 5 V | max. 8 A

Part No. 1001-0054



WILINE 10

Inductive wireless charger with integrated LED display

Compatible with all Qi-enabled smartphones & receivers

Includes USB A / USB Type C cable

Input: 5 V DC | 2 A oder 9 V DC | 1,67 A

Output: 5 V DC | 1 A oder 9 V DC | 1,2 A

Part No. 1001-0088



WILINE CAR CHARGER

Inductive wireless charger with holder for windscreen, dashboard or ventilation grill

Compatible with all Qi-enabled smartphones & receivers

Includes USB A / Micro USB cable

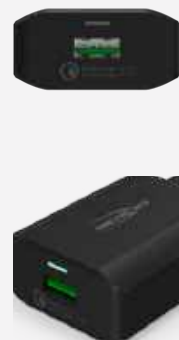
Input: 5 V - 2 A

Output: 5 V - 1 A

Part No. 1001-0043



HOME CHARGER 130Q



Qualcomm Quick Charge 3.0, backward compatible with QC 1.0 & 2.0

Automatic control of the output voltage and the output current

Intelligent charge control ensures optimised charging

USB

Input: 100 - 240 V AC | 50/60 Hz | max. 0,8 A

Output: 5 - 12 V | max. 3 A

Part No. 1001-0099

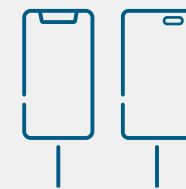
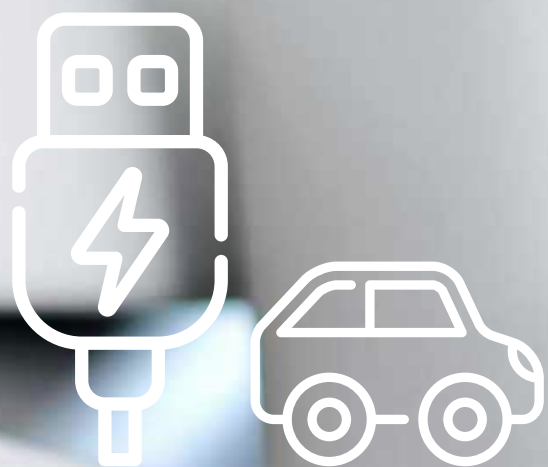


All technical data on page 174

All technical data on page 173

CAR USB CHARGER

FEATURES



UNIVERSALLY
applicable

With the ANSMANN USB car chargers you can charge any USB enabled device on the road. And this with up to four devices at the same time - no matter if smartphone, tablet or navigation system.



USB Type C
CONNECTOR

Fit for the future: With the new and flexible USB Type C ports you not only charge with more power, but also much faster. The new standard is used by numerous manufacturers and enables compatibility over many areas.



3.0 QUICK CHARGE
compatible

Qualcomm® Quick Charge technology lets you charge your devices faster than with traditional charging methods so that they don't have to be plugged in for so long. QC3.0 is supported by numerous manufacturers.



3 years
WARRANTY

We are so convinced of the quality of our chargers that we offer an extended warranty, ensuring customers' peace of mind.

IN-CAR CHARGER 224



Intelligent charge control ensures optimised charging

Multisafe technology protects your terminal devices and the charger

Suitable for devices that are charged or operated via USB

Input: 12 - 24 V DC | max. 1,3 A

Output: 5 V DC | max. 2,4 A

Part No. 1000-0023

IN-CAR CHARGER 130Q

Qualcomm Quick Charge 3.0, backward compatible with QC 1.0 & 2.0

Multisafe technology protects your terminal devices and the charger

Intelligent charge control ensures optimised charging

Input: 12 - 24 V DC

Output: 5 - 12 V DC | max. 3,0 A

Part No. 1000-0024



IN-CAR CHARGER 240C

Intelligent charge control ensures optimised charging

Multisafe technology protects your terminal devices and the charger

Suitable for devices that are charged or operated via USB

Input: 12 - 24 V DC | max. 2,1 A

Output: 5 V DC | max. 4,0 A

Part No. 1000-0021



IN-CAR CHARGER 231+

Intelligent charge control ensures optimised charging

Multisafe technology protects your terminal devices and the charger

2in1 USB cable from USB to Micro USB & Type C connector allows flexible and universal use

Input: 12 - 24 V DC | max. 2,1 A

Output: 5 V DC | max. 3,1 A

Part No. 1000-0022



IN-CAR CHARGER 248



Intelligent charge control ensures optimised charging

Multisafe technology protects your terminal devices and the charger

Suitable for devices that are charged or operated via USB

Input: 12 - 24 V DC | max. 2,5 A

Output: 5 V DC | max. 4,8 A

Part No. 1000-0020

2X2 USB CAR CHARGER

Intelligent charge control ensures optimised charging

Integrated, practical extension to the rear seats with two additional USB ports (2x front, 2x rear). Cable length: 1,8 m

Ideal for longer car journeys

Input: 12 - 24 V DC | max. 5,0 A

Output: 5 V DC | max. 9,6 A

Part No. 1000-0017



CAR CHARGER

FEATURES



**Overload
PROTECTION**

Rechargeable batteries are sensitive energy storage devices. They need to be cared for and treated well in order to be ready for use for as long as possible. This also includes not charging them for too long. ANSMANN chargers analyse the charge level and stop charging as soon as the battery is full.



**3 years
WARRANTY**

We are so convinced of the quality of our chargers that we offer an extended warranty, ensuring customers' peace of mind.



**COLD TEMP
Mode**

At low temperatures, the condition of your battery also changes. The ANSMANN Cold Temp Mode on ALCT chargers is recommended for temperatures below 5° C. This mode guarantees that the battery is 100 % fully charged even in cold temperatures.



**REFRESH
Mode**

In refresh mode the ALCT chargers recognize automatically when a battery is deeply discharged and gently pulse a current for 20 minutes until a basic voltage is reached and then full charging process can begin.

ALCT 6-24/10



⚡ 🔋
6 V | 1 A
12 V | 10 A
24 V | 5 A

- For lead based batteries from 4,5 Ah
- Automatic voltage detection
- Overload protection
- COLD TEMP mode for complete charging even in cold conditions
- REFRESH mode for deeply discharged batteries

Part No. 1001-0014

ALCT 6-24/4

For Lead based batteries from 4,5 Ah

- Automatic voltage detection
- Overload protection
- COLD TEMP mode for complete charging even in cold conditions
- REFRESH mode for deeply discharged batteries

Part No. 1001-0017

⚡ 🔋
6 V | 1 A
12 V | 4 A
24 V | 2 A



ALCT 6-24/2

- For lead based batteries from 1,2 Ah
- Automatic voltage detection
- Overload protection
- COLD TEMP mode for complete charging even in cold conditions
- REFRESH mode for deeply discharged batteries

Part No. 1001-0016

⚡ 🔋
6 V | 0,5 A
12 V | 2 A
24 V | 1 A



ALCS 2-12/0.4

- For lead based batteries from 1,2 Ah
- Suitable for stand-by and parallel operation
- Overload protection
- 3,5 m long charging cable

Part No. 1001-0015

⚡ 🔋
2 V | 0,4 A
6 V | 0,4 A
12 V | 0,4 A



ALCS 2-24A

- For lead based batteries from 1,3 Ah
- Automatic voltage detection
- Overload protection
- Charge current control

Part No. 9164016

⚡ 🔋
2 V | 0,9 A
6 V | 0,7 A
12 V | 0,6 A
24 V | 0,3 A



POWER- BANKS



The mobile power packs

Do you like to travel, are you on the road a lot or are you drawn out into the wilderness? With the ANSMANN Powerbanks you don't have to do without your smartphone even on the road and in remote places. Recharge it up to eleven times with the ANSMANN Powerbanks. All Powerbanks are tested and certified by TÜV Süd GS.

FEATURES

POWERBANKS



MULTISAFE Technology

Our multiple safety technology protects you and your device against overload, deep discharge, short circuit and overload.



Wireless CHARGING

Some of our power banks are equipped with the so-called Qi charging technology. This allows you to charge your Qi-capable end device conveniently and wirelessly.



3.0 QUICK CHARGE compatible

Qualcomm Quick Charge 3.0 technology allows you to quickly charge your device. This allows your device to be charged up to 80 % in just 35 minutes.



Power DELIVERY

Power Delivery is a new fast-charging standard that can deliver up to 100 watts of power using the new USB Type C connector. This also allows compatible notebooks to be charged without a special power supply unit.



Quick Charge
COMPATIBLE 3.0

PD **Power Delivery**



ANSMANN

POWERBANK

The power delivery power package

The USB-PD charger with a power of 18 W offers the ideal charging solution for your application. Thanks to the intelligent charging control and multisafe technology, your application is optimised and safely charged. The very low stand-by consumption makes this powerbank not only efficient but also economical.

15.000 mAh USB Type C PD 2x USB 18 W

Integrated power delivery (PD) protocol for fast charging of e.g. smartphones

Intelligent charge control ensures optimised charging

Multisafe technology protects your end device and the charger

Input: max. 9 V DC | 2 A

Output: max. 12 V | max. 1,5 A

Part No. 1700-0114



incl. USB Type C & Micro USB cable

15.0 PD

All technical data on page 178

POWERBANK 24.0 PD



24.000 mAh



Integrated power delivery (PD) protocol for fast charging of compatible devices e.g. smartphones, tablets, notebooks



USB Type C

Intelligent charge control ensures optimised charging



2x USB

Multisafe technology protects your end device and the charger

Input: max. 9 V DC | 2 A

Output: max. 12 V | max. 1,5 A



18 W

Part No. 1700-0112



POWERBANK 20.0 PD

Integrated power delivery (PD) protocol for fast charging of compatible devices e.g. smartphones, tablets, notebooks

Intelligent charge control ensures optimised charging

Multisafe technology protects your end device and the charger

Input: max. 9 V DC | 2 A

Output: max. 12 V | max. 1,5 A

Part No. 1700-0113



20.000 mAh



USB Type C



2x USB



2x USB



18 W



POWERBANK 10.0 PD



10.000 mAh



USB Type C



2x USB



18 W

Integrated power delivery (PD) protocol for fast charging of compatible devices e.g. smartphones, tablets, notebooks

Intelligent charge control ensures optimised charging

Multisafe technology protects your end device and the charger

Input: max. 9 V DC | 2 A

Output: max. 12 V | max. 1,5 A

Part No. 1700-0115



POWER DELIVERY

EXTREMELY HIGH SECURITY

Further information on Power Delivery on page 66



Overheating protection



Overload protection (current + voltage)



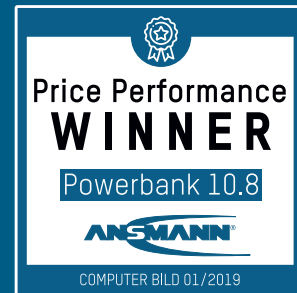
Deep discharge protection



Short circuit protection



Automatic switch-off



POWERBANK

The compact everyday companion

The practical Powerbank from ANSMANN in elegant design is light, powerful and always with you. Due to its compact design, the light-weight power storage unit fits in every jacket, trouser or handbag. Equipped with the USB to Micro USB charging cable, the product is the ideal companion on the road.



Intelligent charge control ensures optimised charging

Multisafe technology protects your end device and the charger

Extra compact housing for optimal portability

Input: 5 V DC | 2 A

Output: 5 V | max. 2,4 A

Part No. 1700-0091



10.8 MINI

All technical data on page 179

POWERBANK 20.8



 20.000 mAh
 2x USB
 12 W

Suitable for devices that are charged or operated via USB
 Multisafe technology protects your end device and the charger
 Input: max. 5 V DC | 2 A
 Output: max. 5 V | max. 2,4 A
 Part No. 1700-0068



POWERBANK SLIM



 4.000 mAh
 USB
 5 W

Suitable for devices that are charged or operated via USB
 Multisafe technology protects your end devices and the charger
 Available in the colours rose gold and silver
 Input: max. 5 V DC | 1 A
 Output: max. 5 V | 1 A
 Part No. silver 1700-0110
 Part No. rosé 1700-0111



POWERBANK 10.8

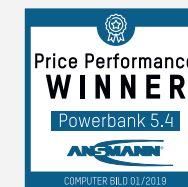
Suitable for devices that are charged or operated via USB
 Multisafe technology protects your end device and the charger
 Available in matt black and white
 Input: max. 5 V DC | 2 A
 Output: max. 5 V | max. 2,4 A
 Part No. black 1700-0067
 Part No. white 1700-0067-1






 10.000 mAh
 2x USB
 12 W



POWERBANK 5.4



 5.000 mAh
 2x USB
 12 W

Suitable for devices that are charged or operated via USB
 Multisafe technology protects your end devices and the charger
 Price-performance winner in the computer picture 01/2019 & TÜV GS Rheinland certified
 Input: max. 5 V DC | 2 A
 Output: max. 5 V | max. 2,4 A
 Part No. 1700-0066



POWERBANK 8.0 WIRELESS



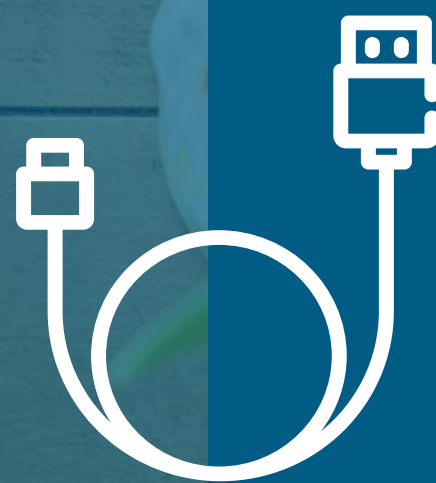
 8.000 mAh
 Qi ready
 2x USB
 USB: 12 W
 Qi: 5 W

Contactless inductive charging with compatible device
 LED strip on the back for use as a small flashlight
 Multisafe technology protects your end devices and the charger
 Input: max. 5 V DC | 2 A
 Output: 5 V | max. 2,1 A
 Output Wireless: 5 V | 1,0 A
 Part No. 1700-0109



All technical data on page 178

SMARTPHONE ACCESSORIES



The right connection for all

Whether USB, USB Type C, one, two or even five devices. With the modern and contemporary ANSMANN USB chargers and USB cables you can charge almost any device. Besides powerful and universal solutions the ANSMANN range also includes clever combinations and practical bundles.

USB CABLE

FEATURES



**ALUMINIUM
housing**

Due to the highly flexible cable made of PVC free TPE plastic and the robust aluminium housing with injection moulded strain relief, the ANSMANN cable combines two characteristics which make this cable extremely resistant against high loads.



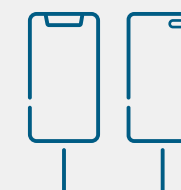
**3 years
WARRANTY**

We are so convinced of the quality of our chargers that we offer an extended warranty, ensuring customers' peace of mind.



**Ultra
FAST**

The ANSMANN cables charge and synchronize ultra fast with a speed of up to 5 Gbit/s. Furthermore, our cables support all common fast charging technologies - including Quick-Charge technology and Power Delivery.



**UNIVERSALLY
applicable**

ANSMANN cables are compatible with all common end devices which have an USB connector, such as smartphones, tablets, game consoles, cameras, GPS devices, powerbanks, bluetooth speakers and e-readers or Apple Lightning.

MICRO USB CABLE

120 cm | 200 cm Micro USB



Very robust thanks to PVC-free plastic

Aluminium connector housing

Data transmission with up to 480 Mbit/s

Compatible with all end devices with Micro USB connection

120 cm: Part No. 1700-0076
200 cm: Part No. 1700-0077

LIGHTNING CABLE

120 cm | 200 cm Lightning



Very robust thanks to PVC-free plastic

Aluminium connector housing

Data transmission with up to 480 Mbit/s

Compatible with all end devices with Lightning connection

120 cm: Part No. 1700-0078
200 cm: Part No. 1700-0079

Made for iPhone | iPad | iPod

2IN1 MICRO | LIGHTNING CABLE

Very robust thanks to PVC-free plastic

Aluminium connector housing

Data transmission with up to 480 Mbit/s

Practical interchangeable plug compatible with all end devices with Micro USB and Lightning connection

Part No. 1700-0082

Made for iPhone | iPad | iPod



120 cm



Micro USB



Lightning



TYPE C TO LIGHTNING CABLE

Very robust thanks to PVC-free plastic

Aluminium connector housing

Data transmission with up to 480 Mbit/s

Compatible with all end devices with Lightning connection

120 cm: Part No. 1700-0106 | 200 cm: Part No. 1700-0107

Made for iPhone | iPad | iPod



120 cm
200 cm



USB Type C



Lightning



2IN1 MICRO | TYPE C CABLE

Very robust thanks to PVC-free plastic

Aluminium connector housing

Data transmission with up to 480 Mbit/s

Practical interchangeable plug compatible with all end devices with Micro USB and USB Type C connection

Part No. 1700-0083



120 cm



Micro USB



USB Type C



TYPE C TO TYPE C CABLE

Very robust thanks to PVC-free plastic

Aluminium connector housing

Data transmission with up to 5 Gbit/s

Compatible with all end devices with USB Type C connection (max. 60 W)

120 cm: Part No. 1700-0121 | 200 cm: Part No. 1700-0122



120 cm
200 cm



USB Type C

TYPE C CABLE

Very robust thanks to PVC-free plastic

Aluminium connector housing

Data transfer with USB 3.1 at up to 5 Gbit/s

Compatible with all end devices with USB Type C connection

120 cm: Part No. 1700-0080 | 200 cm: Part No. 1700-0081



120 cm
200 cm



USB Type C



PHONE-HOLDER

FEATURES



**MAGNETIC
mounting**

The ultra strong magnet provides an absolutely stable hold, even on poor road surfaces or rough ground. Thanks to the high quality of our magnetic holders your device is safe and secure.



**Variable
MOUNTING**

ANSMANN offers smartphone mounts in different versions for all vehicles. From mounts for windscreens to compact mounts for ventilation grilles to the combination of charger and mount.



**3 years
WARRANTY**

We are so convinced of the quality and performance of our chargers that we offer an extended warranty, ensuring customers' peace of mind.

MAGNETIC HOLDER

for ventilation grilles



Quick and easy installation on the ventilation grille

2 ultra thin metal plates for insertion or gluing

360° rotatable

Very good hold due to the strong magnet

Simple timeless design

Part No. 1700-0069

USB CAR CHARGER

with smartphone cradle

USB car charger with smartphone cradle

360° rotatable thanks to ball joint

Intelligent charge control

Input: 12 - 24 V DC | max. 1,5 A
Output: 5 V DC | max. 2,4 A

Includes USB to Micro USB data and charging cable

Part No. 1000-0011



MAGNETIC HOLDER

for windcreens

Quick and easy installation using a strong suction cup on the windscreen

2 ultra thin metal plates for insertion or gluing

360° rotatable thanks to ball joint

Very good hold due to the strong magnet

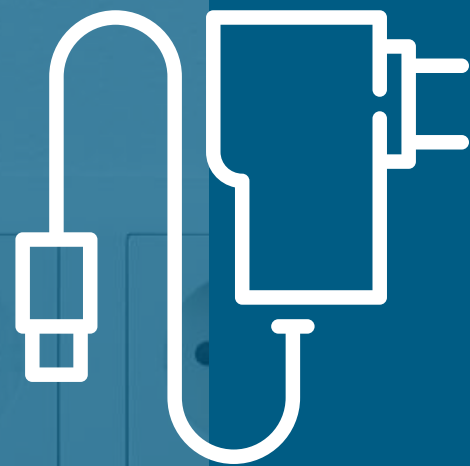
Simple timeless design

Part No. 1700-0070



All technical data on page 180

UNIVERSAL POWER SUPPLIES



In every aspect
universal

Universal power supply units serve as an economical power supply for a variety of devices. All devices are voltage stabilized and short-circuit proof, available in different power classes.

APS 300 | 600 | 1000 | 1500



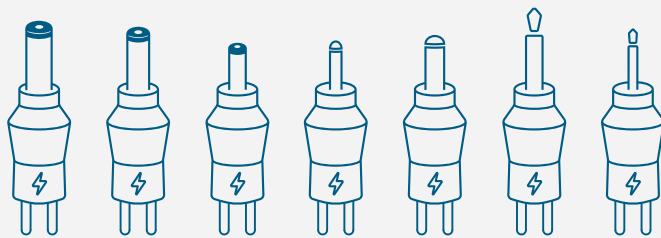
Short circuit proof

Voltage stabilized

Adjustable output voltages:
3 V / 4,5 V / 5 V / 6 V / 7,5 V / 9 V / 12 V DC

Jack plug: 2,5 x 12 / 3,5 x 15 mm

Hollow connector: 2,1 x 5 x 12 / 2,5 x 5,5 x 12 / 1,35 x 3,5 x 12 / 1,7 x 4 x 10 / 0,75 x 2,35 x 10 mm



APS 2250L | 2250H

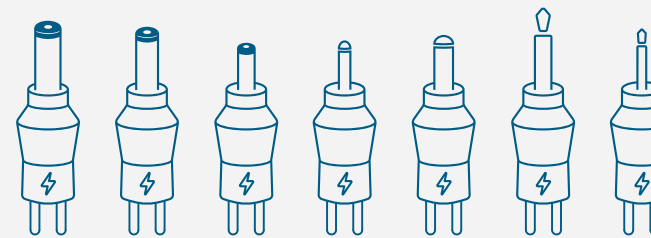
Short circuit proof

Voltage stabilized

Adjustable output voltages:
2250 L: 5 V / 6 V / 7,5 V / 9 V / 12 V / 13,5 V / 15 V DC
2250 H: 12 V / 15 V / 18 V / 19 V / 20 V / 22 V / 24 V DC

Jack plug: 2.5 x 12 / 3.5 x 15 mm

Hollow connector: 2,1 x 5 x 12 / 2,5 x 5,5 x 12 / 1,35 x 3,5 x 12 / 1,7 x 4 x 10 / 0,75 x 2,35 x 10 mm



APS 300 APS 600 APS 1000 APS 1500

Output voltage	3 - 12 V	3 - 12 V	3 - 12 V	3 - 12 V
Output current	max. 600 mA - 300 mA	max. 600 mA	max. 1000 mA	max. 1500 mA
Output power	max. 3,6 W	max. 7,2 W	max. 12 W	max. 18 W
	Part No. 5111233	Part No. 1201-0000	Part No. 5111243	Part No. 5111253

APS 2250L APS 2250H

Output voltage	5 - 15 V	12 - 24 V
Output current	max. 2250 - 1800 mA	max. 2250 - 1000 mA
Output power	max. 27 W	max. 27 W
	Part No. 5311133	Part No. 5311143




All technical data on page 181

TRAVEL ADAPTERS



Your practical Travelbuddy

ANSMANN travel plugs are absolutely safe, always reliable and of highest quality. Whether laptop, hair dryer, camera or smartphone - ANSMANN travel plugs provide unlimited energy worldwide.

 Travel plugs cannot convert mains voltage!

WORLD TO EU



DE
FR
ES
NL
SE
FI
etc.

Compact travel plug with protective conductor

Applicable connector systems:
USA, Australia, Great Britain, Italy, Switzerland, Brazil

For devices of protection class I & protection class II

100 - 250 V AC | max. 16 A

Part No. 1250-0011

ALL IN ONE 3

Universal travel adapter for devices with 2 or 3-pin plugs for use in over 150 countries worldwide

Applicable connector systems:
USA, Australia, Great Britain, Italy, Switzerland, Euro, Brazil

For devices of protection class I & protection class II

100 - 250 V AC | max. 6.3 A

Part No. 1809-0000



AU
EU
IT
USA
UK
CH
etc.



WORLD TO EU + USB

Compact travel plug with protective conductor incl. USB charging connection

Applicable connector systems:
USA, Australia, Great Britain, Italy, Switzerland, Brazil

For devices of protection class I & protection class II

100 - 250 V AC | max. 16 A

Part No. 1250-0012



DE
FR
ES
NL
SE
FI
etc.



USB



ALL IN ONE 2

Universal travel adapter for devices with 2-pin plugs for use in over 150 countries worldwide

Applicable connector systems:
Euro, Great Britain, USA/Japan, Australia/China

For devices of protection class II

100 - 250 V AC | max. 2.5 A

Part No. 1250-0006



AU
EU
IT
USA
UK
CH
etc.



EU TO UK



UK, Hong Kong, Malaysia, Singapore, etc.

Compact travel plug with protective conductor

For devices of protection class I & protection class II

Suitable for use with plug systems Europe (Schuko and 2-pole)

250 V AC | max. 10 A

Part No. 1250-0031



EU TO US



USA, Canada, Brazil, Mexico, Cuba, Thailand, etc.

Compact travel plug with protective conductor

For devices of protection class I & protection class II

Suitable for use with plug systems Europe (Schuko and 2-pole)

125 V AC | max. 15 A

Part No. 1250-0032

EU TO AU



Australia, Argentina, China, Naples, New Zealand, etc.

Compact travel plug with protective conductor

For devices of protection class I & protection class II

Suitable for use with plug systems Europe (Schuko and 2-pole)

250 V AC | max. 6,3 A

Part No. 1250-0033

EU TO CH



Switzerland, Liechtenstein, Maldives, etc.

Compact travel plug with protective conductor

For devices of protection class I & protection class II

Suitable for use with plug systems Europe (Schuko and 2-pole)

250 V AC | max. 10 A

Part No. 1250-0034

EU TO IT



Italy, Albania, Ethiopia, Chile, etc.

Compact travel plug with protective conductor

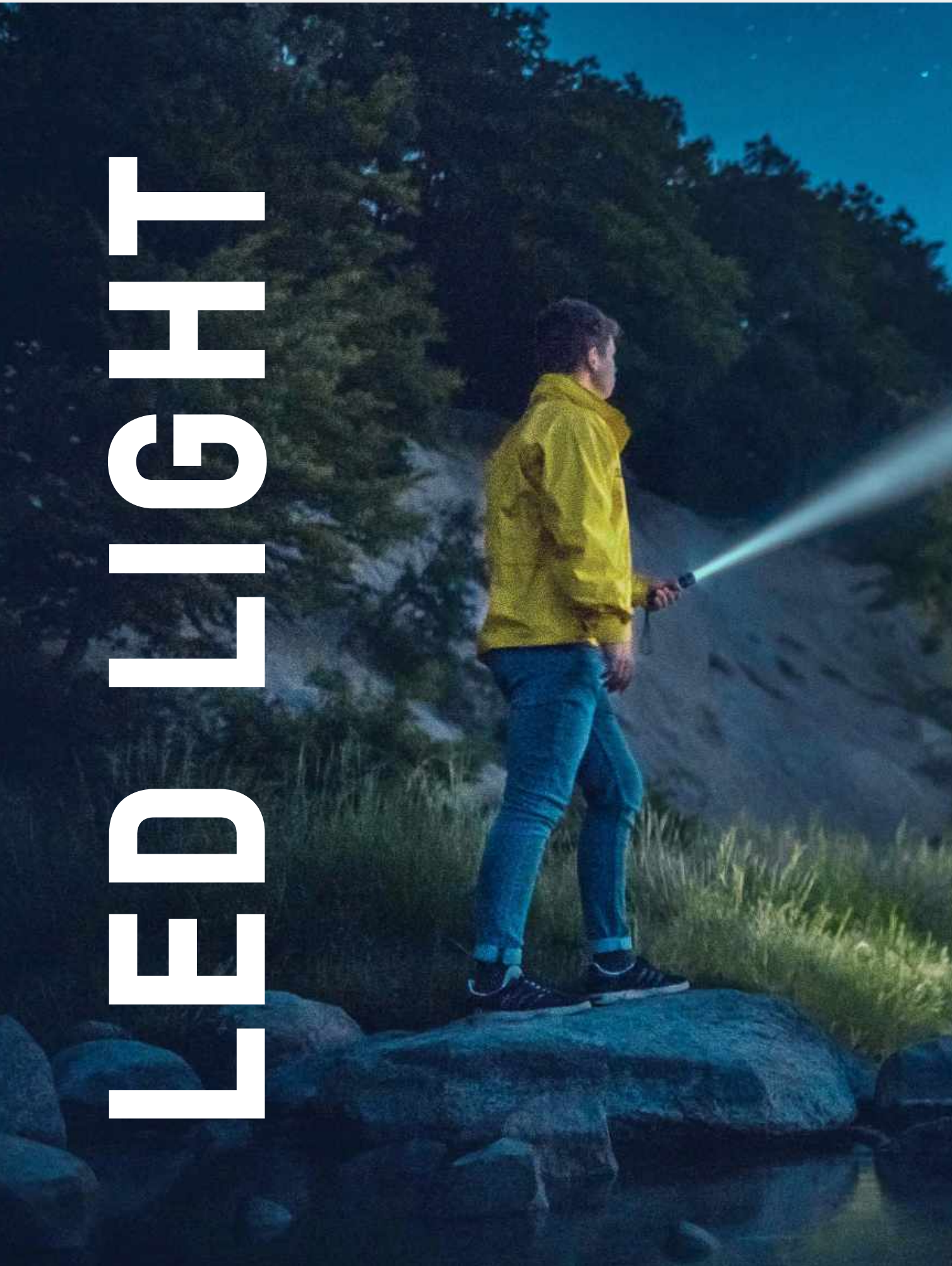
For devices of protection class I & protection class II

Suitable for use with plug systems Europe (Schuko and 2-pole)

250 V AC | max. 10 A

Part No. 1250-0035

LED LIGHT

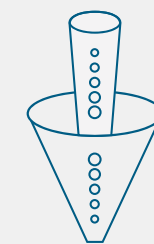


The sheer Power

ANSMANN lights offer the highest performance whether in the wilderness or in the office or at home. With perfect lighting solutions from ANSMANN you will never be in the dark. From the professional user to the occasional household user, ANSMANN range offers the right light for everyone.

PROFES- SIONAL

FLASHLIGHT FEATURES



QUICK ZOOM

Sometimes you need the lamp at close range, sometimes you have to illuminate objects over long distances. By using different focusing systems, the clean, even beam can be quickly and easily changed from point focus to flood light.



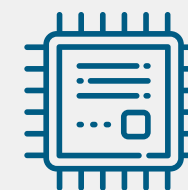
Tactical FUNCTIONS

In combination with the micro-controller controlled end cap switch, the M-Series is suitable for tactical applications and allows the silent switching of different light levels. Morse function is also possible.



Splash-PROOF

The professional lamps are protected against dust and splash water according to IP54 and are shockproof up to 1 m drop height.



MICRO CHIP controlled

The specially programmed micro-controller allows the user to select various lighting functions via the end cap switch. Simple click combinations enable the optimum, silent use of the lights.



M350F

focusable, tactical

The Professional

The professional 5 W LED torch M350F impresses with its optimal housing proportions and the non-slip surface. In combination with the micro-controller controlled end cap switch, the M350F is suitable for tactical applications and allows the silent switching of different light levels.



320 lm



140 m



12 h

5 W CREE high-power LED

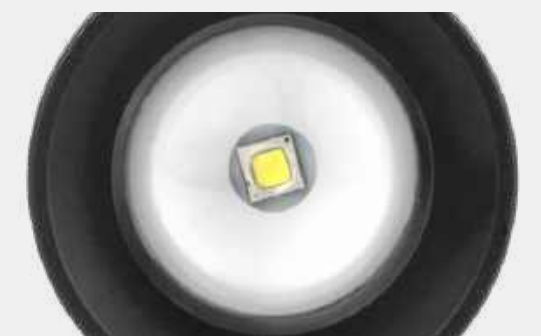
Stepless focusing by turning the ring on the lamp head

Splashproof according to IP54 and shockproof up to 1 meter fall height

5 lighting functions: Boost | 100% | 30% | strobe | morse function

Incl. 4x Micro AAA Alkaline batteries

Part No. 1600-0172



All technical data on page 184

M100F

115 lm 70 m 5 h

3 W-LED technology

Stepless focusing by sliding the lamp head

Splashproof according to IP54 and shockproof up to 1 meter fall height

3 lighting functions: 100% | 30% | strobe

Incl. 1x Mignon AA Alkaline battery

Part No. 1600-0170



M250F

260 lm 150 m 10 h

5 W-Cree-High Power LED

Stepless focusing by turning the ring on the lamp head

Splashproof according to IP54 and shockproof up to 1 meter fall height

3 lighting functions: 100% | 30% | strobe

Incl. 3x Micro AAA Alkaline batteries

Part No. 1600-0171



M200F

versatile,
focus-
able,
non-slip

240 lm

120 m

22 h



5 W-Cree-High Power LED

Stepless focusing by turning the ring on the lamp head

Splashproof according to IP54 and shockproof up to 1 meter fall height

3 lighting functions: 100% | 30% | strobe

Incl. 2x Mignon AA Alkaline batteries

Part No. 1600-0173



M900P

930 lm

240 m

20 h

10 W-Cree-High Power LED

Highly efficient reflector system for optimum light yield

Dust and water protection according to IP67 and shockproof up to 1 meter fall height

4 lighting functions: Boost | 100% | 30% | strobe

Incl. 4x Mignon AA Alkaline batteries

Part No. 1600-0162



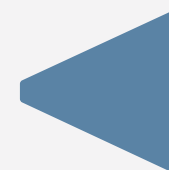
LIGHT FUNCTIONS

WHAT DO THE DIFFERENT LIGHT FUNCTIONS MEAN?



BOOST

The Boost mode gives you extremely high luminosity for a short time to illuminate the surroundings with the maximum amount of light.



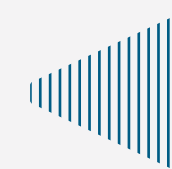
FULL POWER

A high luminous flux makes it possible to illuminate the surroundings at wide angles or great distances.



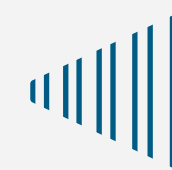
LOW POWER

Especially at close range, less is more. Without self-dazzling, the low-power mode saves energy and maximizes runtime.



STROBE

With the stroboscope function you can efficiently and passively defend yourself. The potential attacker is disoriented and blinded by the Stroboscope.



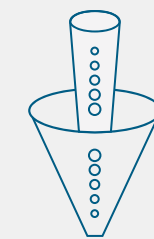
MORSE

Tactical light signals up to the Morse alphabet can be sent with the Morse function. The light only lights up as long as the switch is pressed.



OUTDOOR

FLASHLIGHT FEATURES



Stepless QUICK ZOOM

Sometimes you need the lamp at close range, sometimes you have to illuminate objects over long distances. By simply moving the lamp head, the clean, even beam can be quickly and easily changed from point focus to flood light.



Light functions DIMMABLE

It is not only for energy-saving reasons that it is not always worthwhile to operate the light with 100% luminosity. Especially when illuminating the close-up range, less is often more. In this way you avoid dazzling reflections and overexposure. With the infinitely variable dimming, you always have the perfect amount of light at your disposal.



Dynamic LIGHT

In many professional applications the right light is of elementary importance. With a long keystroke the light can be dimmed continuously from 100% light output to 20% brightness.



Rechargeable LI-ION BATTERY

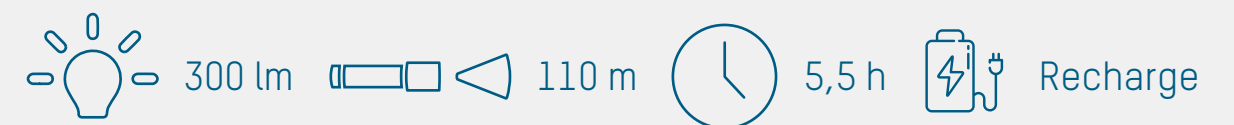
A rechargeable Li-Ion battery not only serves as a reliable and powerful energy source, but is also replaceable at any time due to the modular design of the lamp. So you decide: Charge your battery conveniently directly via the connector in the lamp or change the battery and charge the empty cells in the external charger.



T350FR

Rechargeable All-rounder

The high-performance flashlight Future T350FR has been specially designed for demanding users and is the first choice for anyone who wants to use a handy yet bright flashlight. The energy-saving and highly efficient Cree LED provides enormous brightness and range.



5 W-Cree-High Power LED

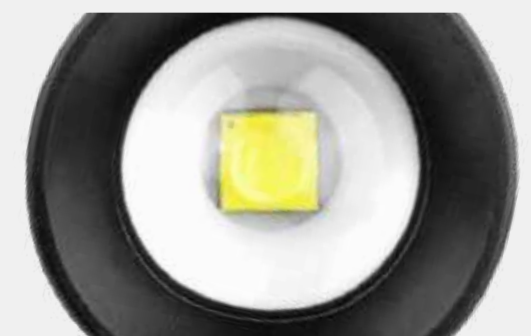
Stepless focusing by moving the lamp head

Integrated USB plug for direct charging at standard USB socket

Battery charge status display integrated in the button

4 lighting functions: 100% | 20% | strobe | dimmer function

Part No. 1600-0247



All technical data on page 186

MULTI 3IN1



180 lm

140 m

10 h

Multifunctional light with 3 W-LED

Stepless focusing by moving the lamp head

Three lamps in one light - focusable flashlight, work light and signal flashing light

Strong holding magnet for attachment to metal

Incl. 3x Micro AAA Alkaline batteries

Part No. 1600-0137

T120

130 lm 75 m 4 h

Aluminium penlight with 3 W-LED

Splash-proof according to IP54

Use of the latest LED technology

Highly efficient reflector system for optimum light yield

Incl. 2x Micro AAA Alkaline batteries

Part No. 1600-0160

T150

150 lm 150 m 10 h

Aluminium torch with 3 W-LED

Splashproof according to IP54 and shock-proof up to 1 meter fall height

Latest CREE LED technology

Highly efficient reflector system for optimum light yield and range

Incl. 2x Mignon AA Alkaline batteries

Part No. 1600-0145

T50F

60 lm 75 m 2,5 h

Aluminium torch with 3 W-LED

Stepless focusing by moving the lamp head

Extra small and space saving

Ideal for one-hand operation due to the non-slip surface

Incl. 1x Mignon AA Alkaline battery

Part No. 1600-0159

T60F

55 lm 60 m 0,7 h

Keychain light with 3 W-LED

Stepless focusing by moving the lamp head

Lightweight with only 33.5 grams

Perfect for the key ring

Incl. 1x Micro AAA Alkaline battery

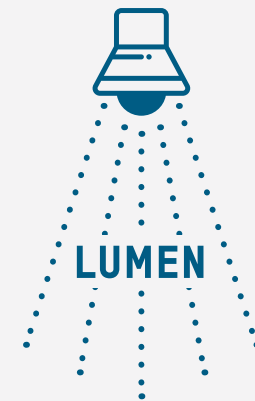
Part No. 1600-0259

LUX & LUMEN

WHAT IS THE DIFFERENCE?



Lux describes how much light from the light source arrives at a given area. There are defined values and guidelines for this.



Lumen describes the amount of light emitted by the LED lamp in all directions. The more lumens the lamp has, the brighter it is.



All technical data on page 186



T200F

200 lm 175 m 13 h



5 W-Cree-High Power LED

Stepless focusing by moving the lamp head

Splashproof according to IP54 and shock-proof up to 1 meter fall height

2 lighting functions: 100% | 30%

Incl. 3x Micro AAA Alkaline batteries

Part No. 1600-0138

T300F

320 lm 110 m 7 h



5 W-Cree-High Power LED

Quick and stepless focusing by moving the lamp head

Splashproof according to IP54 and shock-proof up to 1 meter fall height

Low energy consumption and reduced heat generation

Incl. 2x Baby C Alkaline batteries

Part No. 1600-0202

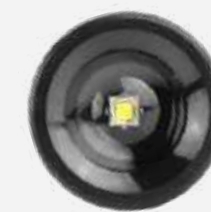
T400FR

versatile
and
rechar-
geable

400 lm

175 m

9 h



5 W-Cree-High Power LED

Stepless focusing by moving the lamp head

Rechargeable battery system - replaceable battery

4 lighting functions: 100% | 30% | strobe | SOS function

Incl. exchangeable 18650 Li-ion battery pack

Part No. 1600-0150

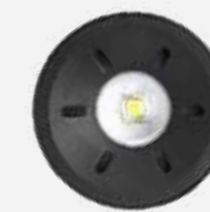
T500F

strong,
handy
and per-
severing

710 lm

170 m

43 h



10 W-Cree-High Power LED

Quick and stepless focusing by moving the lamp head

Super long runtime due to strong Mono D alkaline batteries

Perfect for security services

Incl. 3x Mono D Alkaline batteries

Part No. 1600-0203

T600FRB

5 W-Cree-High Power LED

Stepless focusing by moving the lamp head

Can be used with alkaline batteries or with a 18650 Li-ion battery

5 lighting functions: 100% | 25% | 10% | strobe | SOS function

Incl. 3x Micro AAA Alkaline batteries

Part No. 1600-0268

620 lm

165 m

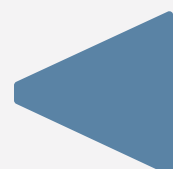
27 h

Recharge



LIGHTING FUNCTIONS

WHAT DO THE DIFFERENT LIGHT FUNCTIONS MEAN?



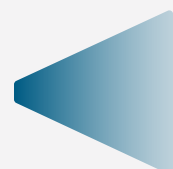
FULL POWER

A high luminous flux makes it possible to illuminate the surroundings at wide angles or great distances.



LOW POWER

Especially at close range, less is more. Without self-dazzling, the low-power mode saves energy and maximizes runtime.



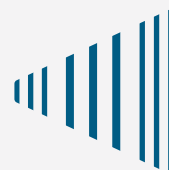
DIM

With a long press of the button, the light can be dimmed continuously from 0-100%



STROBE

With the stroboscope function you can efficiently and passively defend yourself. The potential attacker is disoriented and blinded by the Stroboscope.



SOS

The international SOS sign from the Morse alphabet is stored in the luminaire as a pre-programmed light sequence and can be called up by switch.

X10

25 lm 50 m 22 h

LED technology with efficient reflector system

Ideal for car, handbag or bedside table

Degree of protection according to IPx4 and robust aluminium housing

Extra small and space saving

Incl. 1x Mignon AA Alkaline battery

Part No. 1600-0153



X15

15 lm 20 m 45 h

Small and handy LED penlight

Ideal for work jacket or inspection case

Robust metal housing in attractive and slim design

Large on/off switch for maximum operating comfort even with gloves

Incl. 2x Micro AAA Alkaline batteries

Part No. 1600-0169



X20

25 lm 65 m 30 h

LED technology with efficient reflector system

Shockproof aluminium housing in attractive design

Degree of protection according to IPx4 and robust aluminium housing

Long luminescence time

Incl. 2x Mignon AA Alkaline batteries

Part No. 1600-0154



X30

40 lm 110 m 40 h

LED technology with efficient reflector system

Shockproof aluminium housing in attractive design

Degree of protection according to IPx4 and robust aluminium housing

Long lighting time thanks to powerful Baby C batteries

Incl. 2x Baby C Alkaline batteries

Part No. 1600-0155



ACCESSORIES FOR YOUR FLASHLIGHT

UNIVERSAL HOLSTER

Lamp diameter up to 34 mm

Lamp length up to 150 mm

3 different closure heights adjustable

Suitable for M Series, T Series and X Series

Part No. 1600-0017



UNIVERSAL LAMP HOLDER

Lamp diameter from 25 - 34 mm

Suitable for M Series, T Series and X Series

Part No. 1600-0080



HEAD-LIGHTS

FEATURES

Headlights show you the way - whether you are jogging or cycling, with rescue services, mountaineers or technicians. With ANSMANN Headlights you have both hands free and the light always in the right place.



**Adjustable
LAMP KNOB**

Shine your headlamp exactly where you need the light. Our adjustable lamp heads allow the light cone to be optimally aligned with your working and viewing area.



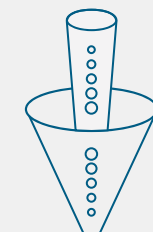
**SENSOR
Mode**

In many situations it is important to have both hands free. That is why we have developed a switch with which the headlamp can be switched on and off with a simple wipe gesture. To activate and deactivate the sensor, just click on the sensor switch.



**3 years
WARRANTY**

We are so convinced of the quality of our lighting products that we offer an extended warranty, ensuring customers' peace of mind.



**Stepless
QUICK ZOOM**

Sometimes you need the HD500R lamp at close range, sometimes you need to illuminate objects over long distances. By simply rotating the lamp head the super-even beam can be quickly and easily adjusted from spot to flood light.



HD150BS



Handsfree thanks to sensor

Head miracle

Professional headlamps are not only popular in everyday life with joggers and cyclists, but also in industry, trade, rescue services, camping, mountain climbers and fishermen. Thanks to the built-in sensor, both hands remain free and the light is always in exactly the right place!



High-quality LED technology with 5 W LED

Sensor technology - easy switching on and off through hand gesture control

Tilt angle of the lamp head and up to 45° individually adjustable

Super light with flexible, adjustable headband and pleasant wearing comfort

3 lighting functions: 100% High Power mode | 30% Eco mode | Additional LEDs

Incl. 3x Micro AAA Alkaline batteries

Part No. 1600-0199



All technical data on page 188



65 lm



80 m



36 h

HD70B

3 W high-power LED and additional LEDs for optimum illumination

Up to 45° individually adjustable tilt angles

Splash-proof according to IP44

3 lighting functions: Main LED 100% | 25% | Side LEDs 100%

Incl. 1x Mignon AA Alkaline battery

Part No. 1600-0260



185 lm



50 m



17 h



HD200B

3 W high-power LED and COB LEDs for optimum illumination

Up to 45° individually adjustable tilt angles

Splash-proof according to IP44

4 lighting functions: 100% High Power mode | 100% 3 W LED | 100% COB LED | 30% COB LED

Incl. 3x Micro AAA Alkaline batteries

Part No. 1600-0198



250 lm



51 m



9 h



Recharge

HD250RS

3 W high-power LED and additional LEDs for optimum illumination

Integrated battery pack 3,7 V and 1200 mAh (4,44 Wh)

Up to 45° individually adjustable tilt angles

Sensor technology - easy switching on and off through hand gesture control

4 lighting functions: 100% COB- & Cree-LED | 100% Cree-LED | 100% COB-LED | 30% COB-LED

Part No. 1600-0224

HD500R

10 W high-power LED for optimum illumination

Up to 90° individually adjustable tilt angles

Dust and splash-proof according to IP64

Quick and stepless focusing by moving the lamp head

4 lighting functions: 100% | 50% | 25% | strobe

Part No. 1600-0325



125 lm



14 m



15 h



incl. 18650



550 lm



160 m



19 h



Recharge

HD120B

1 W-COB-LED for optimal illumination

Small and lightweight housing

Flexible and adjustable headband

2 lighting functions: 100% | 30%

Incl. 3x Micro AAA Alkaline batteries

Part No. 1600-0357



All technical data on page 188

WORK LIGHTS

FEATURES

The ANSMANN work lights are the professional companion for your work. Ideal for repairs in work-shops, trade and industry sectors. These flexible lights with the latest LED technology are indispensable.



**MAGNETIC
mounting**

Align your lights precisely to your working and viewing area. Strong holding magnets and various hooks on the work lights give you several options for attaching the light to your workstation.



**Rechargeable
LI-ION BATTERY**

A permanently installed lithium-ion battery ensures long lighting time with constant brightness. The lamp can be charged with a universal USB charger directly at the socket or via a car adapter in the vehicle.







**Hazard
MODE**

The ANSMANN work lights are not just for the workshop or construction sites. Various models have a hazard flashing mode protecting the user at breakdowns, accidents or other dangerous situations in the dark.

Swivelling Workhorse

The HS20R Pro is a robust and reliable battery-powered handheld searchlight for industrial, commercial, hunting or security services. With a flashing function along with the included orange filter the lamp can be used as a warning light. It can also be tilted up to 90 degrees for perfect positioning.

 1700 lm  470 m  10 h  Recharge

Extremely bright due to 3 LEDs (Cree LED) with an output of max. 20 W

Permanently installed lithium-ion battery (3,7 V / 10.400 mAh)

Continuous dimming, warning light function and separate selection of light sources

Extra strong holding magnet fixes the lamp to all metallic objects

Can be used as emergency light due to the switchable power failure electronics

Part No. 1600-0223



HS20R PRO

All technical data on page 190



420 lm
500 m
9.5 h
Recharge

HS5R

Extremely bright thanks to the latest 5 W LED technology from CREE

Permanently installed lithium battery (3,7 V / 2.600 mAh)

3 lighting functions: 100% | 25% | flashing light

Extra strong holding magnet fixes the lamp to all metallic objects

Can be used as emergency light due to the switchable power failure electronics

Part No. 1600-0222

HS4500R DUO

Extremely bright due to 120 LEDs with a maximum power of 60 W

Exchangeable lithium-ion battery (14,8 V / 5.200 mAh)

Stand can also be used for hanging

Lighting units can be rotated separately

LED status display for battery capacity

Part No. 1600-0358

4500 lm
80 m
12 h
Recharge



IL300R

rotatable,
magnetic,
non-slip

325 lm
55 m
9 h

Recharge



Workshop light with latest SMD-LED technology

Small additional light on the lamp head

2 holding magnets on the back of the housing and one magnet on the bottom of the handle

Lamp handle can be rotated by 180°, lockable in 8 steps for flexible light alignment

Built-in Li-Ion battery pack (3,7 V / 2.200 mAh)

Part No. 1600-0152

IL150B

light,
compact
and
handy

150 lm
16 m
20 h



Durable 3 W-COB-LED with a very even working light

Additional 1 W-LED in lamp head for multi-functional use

Adjustable retaining clip with strong magnet and non-slip ABS plastic housing

3 lighting functions: Top LED 100% | COB LED 100% | COB LED 30%

Incl. 3x Micro AAA Alkaline batteries

Part No. 1600-0211





WL280B

280 lm

36 m

25 h

Professional inspection light with latest 3 W SMD LED technology

Small additional light on the lamp head

Lamp handle can be rotated 180° and locked in six positions for flexible light alignment with hooks that can be rotated 360°

Two strong holding magnets at the bottom of the lamp handle

Incl. 3x Mignon AA Alkaline batteries

Part No. 1600-0179

WL200B

Professional workshop light with latest 3 W SMD LED technology

Small additional light on the lamp head

340° rotatable lamp handle, lockable in twelve steps for flexible light orientation with 360° rotatable hooks

Ultra strong holding magnet at the bottom of the handle

Incl. 3x Micro AAA Alkaline batteries

Part No. 1600-0180

220 lm

14 m

8,5 h



WL250B

compact,
magnetic,
low-cost

215 lm

19 m

7,5 h



Professional workshop light with latest 3 W COB LED technology

Additional LED in lamp head for multifunctional use

3 holding magnets on the back of the lamp

Robust and shockproof plastic housing

Incl. 3x Micro AAA Alkaline batteries

Part No. 1600-0265





WL30B



Professional workshop light with latest COB-LED technology

ABS plastic housing, resistant to mechanical stress

Including practical retaining clip

Incl. 1x ANSMANN Alkaline Micro AAA battery

Part No. 1600-0302

WL180B

Professional workshop light with latest 3 W-COB-LED technology

ABS plastic housing, resistant to mechanical stress

Including 4 bits (TX15 | TX20 | PH1 | PH2)

Magnet & holding hook on the back

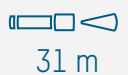
2 lighting functions: 100% | 50% luminosity

Part No. 1600-0303



WL450R

compact,
magnetic,
low-cost



Professional workshop light with latest 4 W-COB-LED technology

Additional LED (3 W) in lamp head for multi-functional use

ABS plastic housing, resistant to mechanical stress

Integrated Li-ion 3,7 V battery with safety electronics

Incl. Micro USB-charging cable

Part No. 1600-0304



ACCESSORIES

FOR YOUR WORKING LAMP

CARRYING STRAP PORTABLE SEARCHLIGHT

Suitable for HS1000FR, HS5R & HS20R Pro

Carrying length individually adjustable from 50 cm to 75 cm

Total belt length approx. 160 cm

Part No. 1600-0022



BATTERY PACK FOR HS4500R DUO

Suitable for work lights HS4500R

14,8 V / 5.200 mAh

With capacity indicator & USB output

Part No. 1400-0080



All technical data on page 191

FLOOD-LIGHTS

FEATURES

Our floodlights are professional spotlights with SMD-LED technology. The reliable lights integrate themselves effortlessly into the demanding everyday life for work in and around the house, e.g. in workshops, construction sites, industry, home, garden, yard or garage.



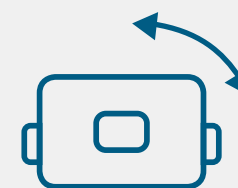
High
TRANSMISSION
ANGLE

For optimum room illumination, it is very important that the light source has the highest possible beam angle. The ANSMANN working spotlights and floodlights are equipped with the latest LED technology with a beam angle of up to 115°.



Rechargeable
LI-ION BATTERY

A permanently installed lithium-ion battery ensures long lighting time with constant brightness. The lamp can be charged directly at the socket with the enclosed charger.



360°
ROTATABLE

Your everyday work, your projects and construction sites always bring new challenges. To ensure you have the best possible illumination, ANSMANN work lights can be rotated and aligned 360 degrees.



10 years
WARRANTY

We are so convinced with the quality and performance of our products that we offer an extended warranty of 10 years (battery excluded) on our flood light range.

LUMINARY FLEX



- Battery-powered working spotlight with SMD-LED
- Integrated Li-Ion battery pack with safety electronics
- Three brightness levels can be selected via the on/off switch
- Battery capacity indication by LEDs.
- Flexible use due to stable adjustment angles - the set-up bracket can be adjusted up to 80°, the lamp head even 360°



LUMINARY BASE



- Working spotlight with SMD-LEDs
- Integrated 1,8 m long H07RN-F rubber cable for flexible outdoor use
- Robust aluminium and ABS housing - extremely shock resistant
- Flexible use due to stable adjustment angles - the set-up bracket can be adjusted up to 80°, the lamp head even 360°



FL800R



800 lm

10 W-SMD-LEDs

7,4 V / 2.200 mAh Li-Ion battery pack

800 lm luminosity

Part No. 1600-0274

FL1600R



1600 lm

20 W-SMD-LEDs

7,4 V / 4.400 mAh Li-Ion battery pack

1.600 lm luminosity

Part No. 1600-0275

FL2400R



2400 lm

30 W-SMD-LEDs

11,1 V / 4.400 mAh Li-Ion battery pack

2.400 lm luminosity

Part No. 1600-0276

FL800AC



800 lm

10 W-SMD-LEDs

800 lm luminosity

Part No. 1600-0277

FL1600AC



1600 lm

20 W-SMD-LEDs

1.600 lm luminosity

Part No. 1600-0278

FL2400AC



2400 lm

30 W-SMD-LEDs

2.400 lm luminosity

Part No. 1600-0279



ACCESSORIES FOR YOUR WORK LIGHTS

UNIVERSAL TRIPOD

Suitable for FL800R, FL2400R, FL800AC, FL1600AC, FL2400AC

Can be used for 1-2 lights

Height extendable up to 137 cm

High stability, stand diameter up to 120 cm

Part No. 1600-0315



WALL SPOTLIGHT

FEATURES

Our floodlights are professional spotlights with SMD LED technology. The reliable lights integrate themselves effortlessly into the demanding everyday life for work in and around the house, e.g. in workshops, construction sites, industry, home, garden, yard or garage.



**SENSOR
controlled**

ANSMANN wall mounted floodlights switch on automatically - the sensor detects movements in a range of up to 12 metres and ensures that nobody is left in the dark. The lighting time and sensitivity are freely adjustable.



**High
TRANSMISSION
ANGLE**

The beam angle of the wall spotlights is 110°, whereby the lamp head can be infinitely adjusted to your local conditions for ideal illumination.



**For inside &
OUTSIDE**

The integrated H05RN-F cable is used for fixed and flexible connection with low mechanical stress in dry, damp and wet rooms. This makes the spotlight ideal for indoor and outdoor use, as it can withstand the loads at all times.



**10 years
WARRANTY**

We are so convinced with the quality and performance of our products that we offer an extended warranty of 10 years (battery excluded) on our flood light range.

LUMINARY HOME



Spotlight for wall mounting with SMD-LED

Instant full power thanks to the latest SMD LED technology

The angle of the emitter is adjustable 190° vertically

Integrated H05RN-F cable with a length of 20 to 30 cm for fixed and flexible connection



LUMINARY SENSE

Spotlight for wall mounting with SMD-LED

Motion detector with a detection range of up to 12 m and a detection angle of 180° horizontally and 90° vertically

Adjustable light intensity - so it is always possible to set under which lighting conditions the spotlight should switch on

Adjustable light duration from approx. 10 seconds up to 5 minutes

The angle of the emitter is 190° vertically adjustable



WFL800



800 lm

10 W-SMD-LEDs

800 lm luminosity

Part No. 1600-0280

WFL1600



1600 lm

20 W-SMD-LEDs

1.600 lm luminosity

Part No. 1600-0281

WFL2400



2400 lm

30 W-SMD-LEDs

2.400 lm luminosity

Part No. 1600-0282

WFL800S



800 lm

10 W-SMD-LEDs

800 lm luminosity

Part No. 1600-0283

WFL1600S



1600 lm

20 W-SMD-LEDs

1.600 lm luminosity

Part No. 1600-0284

WFL2400S



2400 lm

30 W-SMD-LEDs

2.400 lm luminosity

Part No. 1600-0285

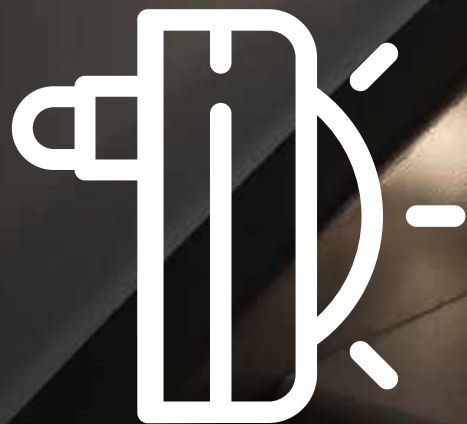


All technical data on page 193

HOME & OFFICE

FEATURES

Do you know the many little situations where you think: „I could use a little more light here“. Our everyday helpers for the office or at home not only give a good feeling of security, but are also more than practical in many situations.



Multifunctional lights



Integrated
LASER POINTER

The integrated laser pointer is ideal for lectures and presentations. Make clear what you want to show with the tested, safe laser.



Touch screen
PEN

The conductive input pen is suitable for operating all devices with touch screen. For every Smartphone, iPad, iPhone, Tablet etc.

Night and orientation lights



Twilight
SENSOR

Thanks to the integrated twilight sensor in the housing, the night light automatically activates or deactivates at dusk. Thus, the light only activates when it is actually dark, saving energy and costs.



Motion
SENSOR

When motion is detected and after dusk, the light comes on and provides brightness for orientation. After approx. 20 seconds the light switches off automatically if no more movement is detected. This saves energy and costs.



TWINFLEX

Small and handy LED lamp with two goosenecks for reader-friendly illumination

Neutral white light with high contrast especially for comfortable reading without eye fatigue

The energy-saving LED technology guarantees extremely long operating times and optimum illumination

The brightness of both lights can be individually adjusted to three functions (100% / 50% / OFF)

Flexible installation due to fastening options via retaining clip or retaining magnet on the battery compartment

Part No. 1600-0119



50 lm



95 h

RC 2

12 lm 20 m 3 h

Rechargeable flashlight with 3 LEDs

Integrated, environmentally friendly NiMH battery pack

Lamp head can be swivelled by 90° and is therefore universally applicable

Integrated charging power supply unit for 230 V AC

Part No. 5101173



ACTION 9

20 lm 30 m 25 h

Small, practical aluminium torch with 9 LEDs

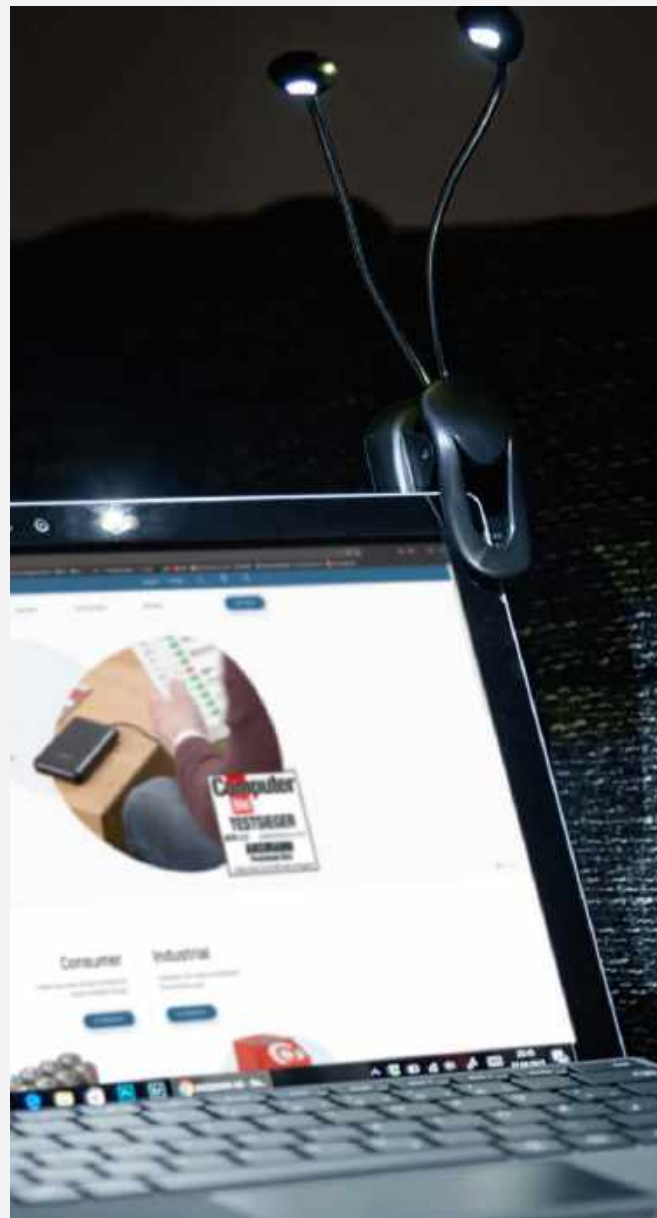
Very light construction and uncomplicated operation

Ideal for on the road

Unbeatable price performance ratio

Very low energy consumption ensures a long lighting duration

Part No. 5016243



LASERPOINTER 4IN1



Laser pointer with 4 different functions

LED light with very high range

Laser pointer for lectures and presentations

Stylus for operating devices with touch screen such as smartphones, tablets

Ballpoint pen for analogue correspondence

Part No. 1600-0269

STYLUS TOUCH 4IN1



Multifunctional pen with 4 different functions

LED light with very high range

Laser pointer for lectures and presentations

Stylus for operating devices with touch screen such as smartphones, tablets

Ballpoint pen for analogue correspondence

Part No. 1600-0271

KEYCHAIN 2IN1



Mini laser pointer and key light

LED light with very high range

Laser pointer for lectures and presentations

Ultra-small with a length of only 6 cm and a diameter of 0,9 cm

With practical key chain and snap hook

Part No. 1600-0270

KEYCHAIN LIGHT



LED torch in mini format for the key ring

LED light with impressive range

Ultra-small with a length of only 5 cm and a diameter of 1 cm

Ultralight: 14,5 g incl. button cells

Elegant but still robust aluminium housing

Part No. 1600-0272



All technical data on page 194

TWILIGHT



Two white quality LEDs provide a nice even light

Switches on and off automatically at dusk



Integrated EU plug-in power supply 220 V -230 V / 50 Hz

Small, light and handy



Part No. 1600-0096

AMBIENTE

Two white quality LEDs provide a nice even light

Integrated on/off switch

Integrated EU plug-in power supply 220 V -230 V / 50 Hz

Small, light and handy

Part No. 1600-0098



25 lm



MOTION



Lighting with two high-quality 0,3 W LEDs from Philips

Automatic activation and deactivation of the night light at dusk (twilight sensor)

Illumination time of the night light in activated state is approx. 20 seconds (motion sensor)



Integrated EU plug-in power supply 220 V -230 V / 50 Hz

Small, light and handy



Part No. 1600-0097



FREE MOTION

Lighting with two high-quality 0,3 W LEDs from Philips

With built-in switch for selecting the lighting functions ON/OFF/sensor operation

Illumination time of the night light in activated state is approx. 25 seconds (motion sensor)

Illumination time in permanent mode is up to 30 hours

Mounting by means of integrated magnet, adhesive tape or with screw eyelets on the back

Part No. 1600-0095



25 lm



3x AAA



PRODUCT OVERVIEW



Technical details

Compare our products with each other or find important details about the technical specifications of our products. In the complete overview of our products you will find all important data and features worth knowing.

RECHARGEABLE BATTERIES

High Capacity



<i>Product</i>	Micro AAA Typ 1000	Micro AAA Typ 1100	Mignon AA Typ 2700	Mignon AA Typ 2850	Mignon AA Typ 2850 Digital	18650	18650
<i>Electrochemical system</i>	NiMH	NiMH	NiMH	NiMH	NiMH	Li-Ion	Li-Ion
<i>Capacity (mAh)</i>	min. 950	min. 1050	min. 2500	min. 2650	min. 2650	min. 2500	min. 3350
<i>Voltage (V)</i>	1,2	1,2	1,2	1,2	1,2	3,6	3,6
<i>Packaging type</i>		Bulk		Bulk	Bulk		
<i>Included batteries</i>		1		1	1		
<i>PU</i>		50		50	50		
<i>Part number</i>		5035221		5035201	5035021		
<i>Packaging type</i>	Blister	Blister	Blister	Blister	Blister	Blister	Blister
<i>Included batteries</i>	2	2	2	2	2	1	1
<i>PU</i>	12	12	12	12	12	10	10
<i>Part number</i>	5030892	5035222	5030852	5035202	5035082	1307-0000	1307-0001
<i>Packaging type</i>	Blister	Blister	Blister	Blister	Blister		
<i>Included batteries</i>	4	4	4	4	4		
<i>PU</i>	12	12	12	12	12		
<i>Part number</i>	5030882	5035232	5030842	5035212	5035092		

maxE



<i>Product</i>	Micro AAA 800	Mignon AA 2100	Mignon AA Typ 2500	Baby C 4500	Mono D 8500	Mono D Typ 10000	9 V E-Block Typ 300
<i>Electrochemical system</i>	NiMH	NiMH	NiMH	NiMH	NiMH	NiMH	NiMH
<i>Capacity (mAh)</i>	800	2100	min. 2400	4500	8500	min. 9300	min. 270
<i>Voltage (V)</i>	1,2	1,2	1,2	1,2	1,2	1,2	8,4
<i>Packaging type</i>	Bulk	Bulk	Bulk	Bulk	Bulk	Bulk	Bulk
<i>Included batteries</i>	1	1	1	1	1	1	1
<i>PU</i>	50	50	50	25	10	10	25
<i>Part number</i>	5030981	5030991	5035431	5035351	5035361	5030641	5035451
<i>Packaging type</i>	Blister	Blister	Blister	Blister	Blister	Blister	Blister
<i>Included batteries</i>	2	2	2	2	2	2	1
<i>PU</i>	12	12	12	6	6	6	6
<i>Part number</i>	5030982	5030992	5035432	5035352	5035362	5030642	5035453
<i>Packaging type</i>	Blister	Blister	Blister				
<i>Included batteries</i>	4	4	4				
<i>PU</i>	12	12	12				
<i>Part number</i>	5035042	5035052	5035442				

maxE



<i>Product</i>	Micro AAA 550	Mignon AA 1300	Baby C 2500	Mono D 5000	9 V E-Block 200	Micro AAA Phone	Mignon AA Phone
<i>Electrochemical system</i>	NiMH	NiMH	NiMH	NiMH	NiMH	NiMH	NiMH
<i>Capacity (mAh)</i>	550	1300	2500	5000	200	550	800
<i>Voltage (V)</i>	1,2	1,2	1,2	1,2	8,4	1,2	1,2
<i>Packaging type</i>	Bulk	Bulk		Bulk	Bulk		
<i>Included batteries</i>	1	1		1	1		
<i>PU</i>	50	50		10	25		
<i>Part number</i>	5030771	5030791		5030921	5035341		
<i>Packaging type</i>	Blister	Blister	Blister	Blister	Blister	Blister	Blister
<i>Included batteries</i>	4	4	2	2	1	2	2
<i>PU</i>	12	12	6	6	6	12	12
<i>Part number</i>	5030772	5030792	5030912	5030922	5035342	5035523	5030902

maxE



<i>Product</i>	Micro AAA Phone	Mignon AA Phone	Micro AAA Solar	Mignon AA Solar	Micro AAA Photo	Mignon AA Photo	Micro AAA Nickel Zink	Mignon AA Nickel Zink
<i>Electrochemical system</i>	NiMH	NiMH	NiMH	NiMH	NiMH	NiMH	NiZn	NiZn
<i>Capacity (mAh)</i>	800	1300	550	800	min. 800	2400	900 mWh	2500 mWh
<i>Voltage (V)</i>	1,2	1,2	1,2	1,2	1,2	1,2	1,6	1,6
<i>Packaging type</i>	Blister	Blister	Blister	Blister	Blister	Blister	Shrink	Shrink
<i>Included batteries</i>	2	2	2	2	2	2	4	4
<i>PU</i>	12	12	12	12	12	12	12	12
<i>Part number</i>	5035332	5030802	1311-0001	5035513	5030512	5030492	1321-0001	1322-0005
<i>Packaging type</i>	Blister					Blister		
<i>Included batteries</i>	3					4		
<i>PU</i>	12					12		
<i>Part number</i>	5030142					5030482		

CAMERA BATTERY PACKS

Canon



Product	Replaces	Capacity (mAh)	Voltage (V)	PU	Part number
A-Can NB 2 LH	Canon NB-2 LH	720	7,4	4	5022673
A-Can NB 4 L	Canon NB-4 L	700	3,7	4	5022263
A-Can NB 5 L	Canon NB-5 L	850	3,7	4	5022953
A-Can NB 6 L	Canon NB-6 L	750	3,7	4	5044453
A-Can NB 7 L	Canon NB-7 L	900	7,4	4	5044523
A-Can NB 8 L	Canon NB-8L	750	3,7	4	5044843
A-Can NB 11 L	Canon NB-11 L	600	3,7	4	1400-0028
A-Can NB 10 L	Canon NB10L	850	7,4	4	1400-0024
A-Can NB 13 L	Canon NB 13L	1010	3,7	4	1400-0069
A-Can BP 511	Canon BP 511	1400	7,4	4	5022283
A-Can LP E5	Canon LP-E5	1000	7,4	4	5044443
A-Can LP E6	Canon LP-E6	1400	7,4	4	1400-0000
A-Can LP E8	Canon LP-E8	1000	7,4	4	5044853
A-Can LP E10	Canon LP E10	1000	7,4	4	1400-0018
A-Can LP E12	Canon LP-E12	750	7,4	4	1400-0045

Casio



Product	Replaces	Capacity (mAh)	Voltage (V)	PU	Part number
A-Cas NP 20	Casio NP 20	700	3,7	4	5022773/05
A-Cas NP 40	Casio NP 40	1200	3,7	4	5022303/05

Fujifilm



Product	Replaces	Capacity (mAh)	Voltage (V)	PU	Part number
A-Fuj NP 45	Fujifilm NP-45	650	3,7	4	1400-0036
A-Fuj NP 95	Fujifilm NP-95	1700	3,7	4	1400-0022
A-Fuj NP-W 126	Fujifilm NP-W 126	1020	7,4	4	1400-0029

Nikon



Product	Replaces	Capacity (mAh)	Voltage (V)	PU	Part number
A-Nik EN EL 3e	Nikon EN-EL 3e	1400	7,4	4	5044073
A-Nik EN EL 5	Nikon EN-EL 5	1050	3,7	4	5022333
A-Nik EN EL 9	Nikon EN-EL 9	1200	7,4	4	5044133/05
A-Nik EN EL 10	Nikon EN-EL 10	650	3,7	4	1400-0637
A-Nik EN EL 12	Nikon EN-EL 12	900	3,7	4	5044483
A-Nik EN EL 14	Nikon EN-EL 14	1000	7,4	4	1400-0042
A-Nik EN EL 15	Nikon EN-EL 15	1600	7	4	1400-0043
A-Nik EN EL 19	Nikon EN-EL 19	700	3,7	4	1400-0016
A-Nik EN EL 23	Nikon EN-EL 23	1700	3,7	4	1400-0064

Olympus



Product	Replaces	Capacity (mAh)	Voltage (V)	PU	Part number
A-Oly BLS 1	Olympus BLS-1	1000	7,4	4	5044173
A-Oly BLS 5	Olympus BLS-5	1100	7,4	4	1400-0015
A-Oly BLN 1	Olympus BLN-1	1140	7,4	4	1400-0058
A-Oly LI 42B	Olympus LI-42B	650	3,7	4	5022933/05
A-Oly LI 50B	Olympus LI-50B	850	3,7	4	5044363

Panasonic



Product	Replaces	Capacity (mAh)	Voltage (V)	PU	Part number
A- Pan BCG 10 E	Panasonic DMW-BCG 10 E	900	3,7	4	5044593
A-Pan CGA S 005	Panasonic CGA-S 005	1150	3,7	4	5022783/05
A-Pan CGA S006	Panasonic CGA-S 006	750	7,4	4	5022903
A-Pan CGA S 007	Panasonic CGA-S 007	800	3,7	4	5022963
A-Pan BMB 9 E	Panasonic DMW-BMB 9 E	900	7,4	4	1400-0026
A-Pan DMW-BCM13E	Panasonic Lumix DMC-TZ 41, FT 5	950	3,7	4	1400-0050
A-PAN DMW-BLC12	Panasonic DMW-BLC-12	1000	7,4	4	1400-0056
A-Pan DMW-BLG 10	Panasonic DMW-BLG 10	730	7,4	4	1400-0063
A-Pan DMW-BCL7E	Panasonic DMW-BCL-7E	600	3,7	4	1400-0049
A-Pan DMW-BCN10E	Panasonic DMW-BCN-10E	800	3,7	4	1400-0052

Pentax



Product	Replaces	Capacity (mAh)	Voltage (V)	PU	Part number
A-Pen D-Li 109	Pentax D-Li 109	1100	7,4	4	1400-0020

Sony



Product	Replaces	Capacity (mAh)	Voltage (V)	PU	Part number
A-Son NP BN 1	Sony NP-BN 1	600	3,7	4	1400-0009
A-Son NP BX1	Sony NP BX1	1000	3,7	4	1400-0041
A-Son NP FH 50	Sony NP-FH 50	750	7,4	4	5044623
A-Son NP FM 500 H	Sony NP-FM 500 H	1500	7,4	4	5044503
A-Son NP FV 70	Sony NP-FV 70	1600	7,4	4	1400-0007
A-Son NP FW 50	Sony NP-FW 50	900	7,4	4	1400-0008
A-Son NP-F970	Sony NP-F970	6600	7,4	4	1400-0078
A-Son NP FZ-100	Sony NP-FZ-100	2000	7,4	4	1400-0079
A-Son NP BG 1	Sony NP-BG 1	900	3,7	4	5044293

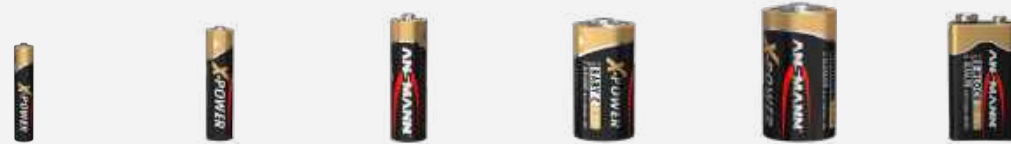
BATTERIES

Original



Product	Micro AAA	Mignon AA	Baby C	Mono D	9 V E-Block
<i>Electrochemical system</i>	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline
<i>Alternative name</i>	LR03	LR6	LR14	LR20	6LR61
<i>Voltage (V)</i>	1,5	1,5	1,5	1,5	9
<i>Packaging type</i>	Blister	Blister	Blister	Blister	Blister
<i>Included batteries</i>	4	4	2	2	1
<i>PU</i>	10	20	10	10	10
<i>Part number</i>	5015553	5015563	1513-0000	1514-0000	1515-0000
<i>Packaging type</i>	Shrink	Shrink	Shrink	Shrink	Shrink
<i>Included batteries</i>	8	8	4	4	2
<i>PU</i>	10	10	5	5	10
<i>Part number</i>	5015360	5015280	5015571	5015581	5015591
<i>Packaging type</i>	Box	Box			
<i>Included batteries</i>	20	20			
<i>PU</i>	10	10			
<i>Part number</i>	5015538	5015548			

X-Power



Product	Mini AAAA	Micro AAA	Mignon AA	Baby C	Mono D	9 V E-Block
<i>Electrochemical system</i>	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline
<i>Alternative name</i>	LR08	LR03	LR6	LR14	LR20	6LR61
<i>Voltage (V)</i>	1.5	1.5	1.5	1.5	1.5	9
<i>Packaging type</i>	Blister	Blister	Blister	Blister	Blister	Blister
<i>Included batteries</i>	2	2 4	2 4	2	2	1
<i>PU</i>	10	10	20	10	10	10
<i>Part number</i>	1510-0005	5015603 5015653	5015613 5015663	5015623	5015633	5015643
<i>Packaging type</i>		Shrink	Shrink	Bulk	Bulk	Bulk
<i>Included batteries</i>		2 3 4	2 3 4	1	1	10
<i>PU</i>		10	10	20	20	10
<i>Part number</i>		5015671 5015721 1521-0007	5015731 1522-0002 5015681	5015691	5015701	5015711

Extreme



Product	Micro AAA	Mignon AA	9 V E-Block
<i>Electrochemical system</i>	Lithium	Lithium	Lithium
<i>Alternative name</i>	FR03	FR6	6FR61
<i>Voltage (V)</i>	1,5	1,5	9
<i>Packaging type</i>	Blister	Blister	Blister
<i>Included batteries</i>	4	2 4 8	1
<i>PU</i>	10	10 10 8	10
<i>Part number</i>	5021013	5021003 1512-0002 1512-0012	5021023
<i>Packaging type</i>		Bulk	
<i>Included batteries</i>		50	
<i>PU</i>		50	
<i>Part number</i>		1502-0001	

Battery boxes



Product	Battery Box 4	Battery Box 8 Plus	Battery Box 6	Battery Box 35	Battery Box 48	Battery Box 48 +
<i>Compatible with</i>	AAA AA	AAA AA CR 123A CR 2	9 V E-Block	AAA AA C D E	AAA AA E	AAA AA E
<i>Quantity</i>	4	8	6	35	48	48
<i>Dimensions (mm)</i>	55 x 22 x 67	160 x 22 x 55	125 x 53 x 34	138 x 65 x 128	173 x 63 x 138	173 x 63 x 138
<i>PU</i>	20	15	20	6	24	24
<i>Included accessories</i>				14x AAA, 12x AA, 4x C, 4x D, 1x E	Schrauben & Dübel zur Wandmontage	Schrauben & Dübel zur Wand- montage, Tester
<i>Details</i>	Page 36	Page 36	Page 36	Page 36	Page 36	Page 36
<i>Part number</i>	4000740	4000033	1900-0036	1520-0004	1900-0041	1900-0041-1

BATTERIES

Industrial



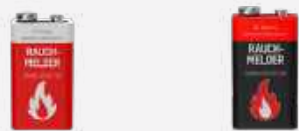
Product	Micro AAA	Mignon AA	Baby C	Mono D	9 V E-Block
Electrochemical system	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline
Alternative name	LR03	LR6	LR14	LR20	4LR61
Voltage (V)	1,5	1,5	1,5	1,5	9
Packaging type	Bulk	Bulk	Bulk	Bulk	Bulk
Included batteries	10	10	10	10	10
PU	10	10	10	10	10
Part number	1501-0009	1502-0006	1503-0000	1504-0000	1505-0001

Industrial



Product	Micro AAA	Mignon AA	9 V E-Block
Electrochemical system	Lithium	Lithium	Lithium
Alternative name	FR03	FR6	4FR61
Voltage (V)	1,5	1,5	9
Packaging type	Bulk	Bulk	Bulk
Included batteries	10	10	5
PU	10	16	10
Part number	1501-0010	1502-0005	1505-0002

Smoke Alarm



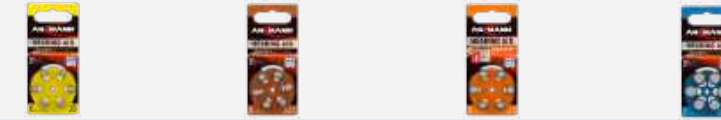
Product	9 V E-Block	9 V E-Block
Electrochemical system	Lithium	Alkaline
Alternative name	6FR61	6LR61
Voltage (V)	9	9
Packaging type	Blister	Blister
Included batteries	1	2
PU	16	10
Part number	5021023-01	1515-0006

Zinc Chloride



Product	Heavy Duty	Heavy Duty
Electrochemical system	Zinc Air	Zinc Air
Alternative name	4R25	3R12
Voltage (V)	6	4,5
Packaging type	Bulk	Blister
Included batteries	1	1
PU	15	10
Part number	1500-0003	5013091

HEARING AID BATTERIES



Product	10	312	13	675
Electrochemical system	Zinc Air	Zinc Air	Zinc Air	Zinc Air
Alternative name	PR70 AZA10	PR41 AZA312	PR48 AZA13	PR44 AZA675
Voltage (V)	1,5	1,45	1,45	1,45
Packaging type	Blister	Blister	Blister	Blister
PU	10	10	10	10
Part number	5013223	5013233	5013243	5013253

Tester



Product	Energy Check LCD	Battery Tester	Power Check	Energy Check	Coin Cell Tester
Testable cells	Alkaline, NiMH round cells & 9 V E-Block, button cells	Alkaline, NiMH round cells & 9 V E-Block, button cells	12 V car batteries	12 V car batteries	Alkaline & Lithium button cells
Display	Residual capacity in 10% increments, residual voltage in volts	Remaining capacity analogue	State of charge, ready to start, load test, defect detection	Output voltage accurate to 0.1 V via LED display	Voltage via 5 LEDs
Dimensions (mm)	195 x 100 x 34	61 x 62 x 29	120 x 46 x 25	70 x 32 x 32	55 x 45 x 13,5
Weight (g)	257	36	92	19	17
PU	4	24	16	10	10
Details	Page 33	Page 34	Page 34	Page 35	Page 35
Part number	4000392	4000001	4000002	1900-0019	1900-0035

BUTTON CELLS

<i>Product</i>	LR41	LR43	LR44	LR54	LR1	4LR44
<i>Electrochemical system</i>	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline
<i>Alternative name</i>	LR736 AG3	LR1142 AG12	LR1154 AG13	LR1130 AG10	AMS MN9100 E90	A544 L1325
<i>Voltage (V)</i>	1,5	1,5	1,5	1,5	1,5	6
<i>PU</i>	10	10	10	10	10	10
<i>Part number</i>	5015332	5015293	5015303	5015313	5015453	1510-0009

<i>Product</i>	A10	A11	A23	A27	A29	CR1025
<i>Electrochemical system</i>	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Lithium
<i>Alternative name</i>	LR10 MN10 L1022	LR11 MN11 L1016	LR23 MN21 L1028	LR27 MN27 L828	LR29 MN29 L822	
<i>Voltage (V)</i>	9	6	12	12	9	3
<i>PU</i>	10	10	10	10	10	10
<i>Part number</i>	1510-0006	1510-0007	5015182 (1x) 1510-0024 (2x)	1516-0001	1510-0008	1516-0005

<i>Product</i>	CR1216	CR1220	CR1225	CR1616	CR1620	CR1632
<i>Electrochemical system</i>	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
<i>Alternative name</i>						
<i>Voltage (V)</i>	3	3	3	3	3	3
<i>PU</i>	10	10	10	10	10	10
<i>Part number</i>	1516-0007	5020062	1516-0008	5020132	5020072	1516-0004

<i>Product</i>	CR2016	CR2025	CR2032	CR2330	CR2354	CR2430
<i>Electrochemical system</i>	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
<i>Alternative name</i>						
<i>Voltage (V)</i>	3	3	3	3	3	3
<i>PU</i>	10	10	10	10	10	10
<i>Part number</i>	5020082	5020142	5020122	1516-0009	1516-0012	5020092

<i>Product</i>	CR2450	CR2477	CR3032	CR123A	CR2	2CR5
<i>Electrochemical system</i>	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
<i>Alternative name</i>				CR17335	CR17355	
<i>Voltage (V)</i>	3	3	3	3	3	6
<i>PU</i>	10	10	10	50 12 12	50 12	12
<i>Part number</i>	5020112	1516-0010	1516-0013	5020011 (Bulk) 5020012 (1x) 1510-0023 (2x)	5020021 (Bulk) 5020022 (1x)	5020032

<i>Product</i>	CR1/3N	SR44	SR66
<i>Electrochemical system</i>	Lithium	Silver oxide	Silver oxide
<i>Alternative name</i>	CR11108 2L76	SR1154 357	SR626 377
<i>Voltage (V)</i>	3	1,55	1,55
<i>PU</i>	10	10	10
<i>Part number</i>	1516-0097	1516-0011	1516-0019

CHARGERS

Professional



Product	Powerline 4.2 Pro	Powerline 4 Light	Powerline 5 Pro	Powerline 8	Powerline Vario X
Battery types	NiMH	NiMH	NiMH	NiMH	NiMH Li-Ion LiPo
Input voltage	100-240 V AC	100-240 V AC	100-240 V AC 12 V DC	100-240 V AC	5 V DC (USB)
Charge current in mA					
Micro AAA	400, 600, 800 (1-4)	450 (1-4)*	400, 600, 800 (1-4)	500 (1-8)	1000 (2)
Mignon AA	400, 600, 800 (1-4) 1500, 1800 (1-2)	450 (1-4)*	400, 600, 800 (1-4) 1500, 1800 (1-2)	500 (1-8)	1000 (2)
Baby C					
Mono D					
9 V E-Block			15		
Lithium batteries					
USB	1000 (1)	1000 (1)*	1000 (1)	1000 (1)	500 (2), 600 (1)
Charging time for Mignon AA 1000 mAh (h)	0,6 - 3	2,6	0,6 - 3	2,4	1,2 2,5 battery packs
-ΔU	•	•	•	•	•
Temperature control	•		•		
Safety timer	•	•	•	•	•
CCCV (constant current constant voltage)					•
LCD display	•	•	•		•
Single shaft monitoring	•	•	•	•	
Overload protection	•	•	•	•	•
Discharge function	•		• with round cells	•	
Refresh function	•		• with round cells		
Battery defect detection	•	•	•	•	•
Quick capacity test					•
Dimensions (mm)	130 x 80 x 31	105 x 65 x 27	170 x 142 x 49	120 x 139 x 31	111,5 x 55 x 22
Weight (g)	260	190	650	360	89
PU	4	4	4	4	4
Included accessories	AC power supply	AC power supply	AC power supply, Car adapter	AC power supply	Micro USB cable
Details	Page 48	Page 50	Page 50	Page 51	Page 52
Part number	1001-0079	1001-0011	1001-0018	1001-0006	1001-0085



Product	Powerline 2	Energy 8 Plus	Energy 16 Plus
Battery types	NiMH	NiMH	NiMH
Input voltage	100-240 V AC	100-240 V AC	100-240 V AC
Charge current in mA			
Micro AAA		400 (1-6)	400 (1-12)
Mignon AA		1000 (1-6)	1000 (1-12)
Baby C		1000 (1-4)	1000 (1-6)
Mono D			
9 V E-Block	70 (1-2)	60 (1-2)	60 (1-2)
Lithium batteries			
USB			1000 (1-2)
Charging time for Mignon AA 1000 mAh (h)	1,7 (9 V 100 mAh)	1,2	1,2
-ΔU	•	•	•
Temperature control		•	
Safety timer	•	•	•
CCCV (constant current constant voltage)			
LCD display			
Single shaft monitoring	•	•	•
Overload protection	•	•	•
Discharge function			
Refresh function		• (automatic)	• (automatic)
Battery defect detection		•	•
Quick capacity test		•	•
Dimensions (mm)	124 x 70 x 90	191 x 172 x 57	244 x 262 x 60
Weight (g)	134	605	1264
PU	10	4	4
Included accessories			
Details	Page 52	Page 53	Page 53
Part number	5107043	5207442	1001-0004

* Either round cell charging or charging via USB

CHARGERS

Comfort



Product	Comfort Multi	Comfort Smart	Comfort Mini
Battery types	NiMH	NiMH	NiMH
Input voltage	5 V DC (USB)	5 V DC (USB)	5 V DC (USB)
Charge current in mA			
Micro AAA	400 (1-4)	400 (1-4)	400 (1-2)
Mignon AA	800 (1-4)	800 (1-4)	800 (1-2)
Baby C	800 (1-4)		
Mono D	800 (1-4)		
9 V E-Block	15 (1)		
Lithium			
Charging time for Mignon AA 1000 mAh (h)	1,5	1,5	1,5
-ΔU	• (with round cells)	•	•
Perfect 7 Charging Technology	• (with round cells)	•	•
Safety timer	•	•	•
CCCV (constant current constant voltage)			
LCD display			
Single shaft monitoring	•	•	•
Overload protection	•	•	•
Discharge function			
Battery defect detection	•	•	•
Quick capacity test	•	•	•
Dimensions (mm)	152 x 149,5 x 47	72 x 97 x 29	42 x 97 x 29
Weight (g)	330	110	75
PU	20	60	60
Included accessories	USB to MicroUSB charging cable 100 cm	USB to MicroUSB charging cable 100 cm	USB to MicroUSB charging cable 100 cm
Details	Page 44	Page 42	Page 45
Part number	1001-0093	1001-0092	1001-0091

Every Day



Product	Photocam III	Photocam IV	Photocam V	Photocam Vario
Battery types	NiMH	NiMH	NiMH	NiMH Li-Ion LiPo
Input voltage	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC 5 V DC (USB)
Charge current in mA				
Micro AAA	500 (2/4)	500 (2/4)	400 (1-2) 200 (3-4)	1000 (2)
Mignon AA	500 (2/4)	500 (2/4)	800 (1-2) 400 (3-4)	1000 (2)
Baby C			800 (1-2) 400 (3-4)	
Mono D			800 (1-2) 400 (3-4)	
9 V E-Block			15 (1)	
Lithium				500 (2) 600 (1)
Charging time for Mignon AA 1000 mAh (h)	2,4	2,4	1,5 (1-2) 3 (3-4)	1,2 2,5 battery packs
-ΔU	•	•	• (with round cells)	•
Perfect 7 Charging Technology				
Safety timer	•	•	• (with round cells)	•
CCCV (constant current constant voltage)				•
LCD display		•		
Single shaft monitoring			•	
Overload protection	•	•	• (with round cells)	•
Discharge function				
Battery defect detection	•	•	• (with round cells)	•
Quick capacity test			• (with round cells)	
Dimensions (mm)	120 x 68 x 71	120 x 68 x 72	170 x 155 x 50	112 x 55 x 22
Weight (g)	230	250	440	110
PU	6	4	4	4
Included accessories				AC power supply Micro USB cable
Details	Page 56	Page 56	Page 57	Page 57
Part number	5117003 5007093	5307263 5317263	5207473	1001-0019

CHARGERS

Specialists



Product	Lithium 2	NiZn Charger	ACS48	ACS110
Battery types	NiMH Li-Ion	NiZn	NiMH	NiMH
Input voltage	5 V DC (USB)	100-240 V AC	100-240 V AC	100-240 V AC
Charge current in mA			150 - 350 (4-8)	800 (1-10)
Micro AAA	500 (1-2)	500 (1-4) NiZn		
Mignon AA	500 (1-2)	500 (1-4) NiZn		
Lithium batteries	1000 (1-2)			
Charging time for Mignon AA 1000 mAh (h)	2,4	3,5	3,5 - 8	1,5
-ΔU	•			•
Temperature control		Voltage monitoring		
Safety timer	•			•
CCCV (constant current constant voltage)	•			
Single shaft monitoring	•	•		
Overload protection	•	•		
Discharge function				•
Battery defect detection		NiMH detection		•
Dimensions (mm)	125 x 73 x 33	118 x 72 x 72	44 x 74 x 76	118 x 62 x 88
Weight (g)	105	110	141	276
PU	4	10	10	12
Included accessories	Micro USB cable			
Details	Page 60	Page 60	Page 61	Page 61
Part number	1001-0050	1001-0013	1001-0024	1001-0023

Qi chargers



Product	Wiline 10	Wiline Car Charger
Compatible with	Qi-enabled receivers, like smartphones and more	Qi-enabled smartphones up to a size of 55 x 105 mm
Connections Input	USB Type C	Micro USB
Input voltage	5 V DC 2 A 9 V DC 1,67 A	5 V DC max. 2 A
Output voltage	5 V DC 1,0 A 9 V DC 1,2 A max. 10 W	5 V DC 1,0 A max. 5 W
Multisafe technology	•	
Loading efficiency	> 70 %	> 70 %
Dimensions (mm)	∅ 100 x 11	272 x 174 x 67
Weight (g)	124	376
PU	48	24
Included accessories	USB to USB Type C charging cable 100 cm	USB to Micro USB charging cable 100 cm
Details	Page 69	Page 69
Part number	1001-0088	1001-0043

CHARGERS

USB chargers



Product	Home Charger 254 PD	Home Charger 247 PD	USB Charger 112	USB Charger 224	Home Charger 1300
Compatible with	Compatible with devices that are charged or operated via USB	Compatible with devices that are charged or operated via USB	Compatible with devices that are charged or operated via USB	Compatible with devices that are charged or operated via USB	Compatible with devices that are charged or operated via USB
Connections Output	USB USB Type C	USB USB Type C	USB	2x USB	USB QC 3.0
Input voltage	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC
Output voltage					
USB	5 V DC 2,4 A	5 V DC 2,4 A	5 V DC 1,2 A	5 V DC 2,4 A	5 V DC 2,4 A 5 V DC 3,0 A 9 V DC 2,0 A 12 V DC 1,5 A
USB Type C	5 V DC 3,0 A 9 V DC 3,0 A 12 V DC 3,0 A 15 V DC 3,0 A 20 V DC 3,0 A max. 60 W	5 V DC 3,0 A 9 V DC 3,0 A 12 V DC 3,0 A 15 V DC 3,0 A 19 V DC 2,25 A 20 V DC 2,25 A max. 45 W			
Multisafe Technology	•	•	•	•	•
Smart IC	•	•	•	•	•
Quick Charge Compatible	•	•			•
Power Delivery	•	•			
Dimensions (mm)	107 x 70 x 30	102 x 65 x 29	64 x 14 x 35	81 x 36 x 24	93 x 45 x 22
Weight (g)	175	140	24	40	56
PU	18	18	8	4	4
Included accessories					
Details	Page 64	Page 66	Page 67	Page 67	Page 68
Part number	1001-0096	1001-0095	1001-0030-1	1001-0066	1001-0099



Product	Home Charger 231	Home Charger 248C	Home Charger 580
Compatible with	Compatible with devices that are charged or operated via USB	Compatible with devices that are charged or operated via USB	Compatible with devices that are charged or operated via USB
Connections Output	2x USB	USB USB Type C	5x USB
Input voltage	100-240 V AC	100-240 V AC	100-240 V AC
Output voltage			
USB	5 V DC 3,1 A	5 V DC 2,4 A	5 V DC 8,0 A
USB Type C		5 V DC 3,0 A	
Multisafe Technology	•	•	•
Smart IC	•	•	•
Quick Charge Compatible			
Power Delivery			
Dimensions (mm)	84 x 45 x 30	90 x 51 x 27	90 x 58 x 27
Weight (g)	82	83	197
PU	4	4	4
Included accessories			Power cord
Details	Page 67	Page 68	Page 68
Part number	1001-0067-1	1001-0069	1001-0054

CHARGERS

USB car chargers



Product	In-Car Charger 224	In-Car Charger 240C	In-Car Charger 248	In-Car Charger 130Q	In-Car Charger 231+	2x2 USB Car Charger
Connections Output	2x USB	USB USB Type C	2x USB	USB QC 3.0	2x USB	4x USB
Input voltage	12-24 V DC	12-24 V DC	12-24 V DC	12-24 V DC	12-24 V DC	12-24 V DC
Output voltage	5 V DC 2,4 A	5 V DC 2,4 A 5 V DC 3,0 A	5 V DC 4,8 A	5 V DC 3,0 A 9 V DC 2,0 A 12 V DC 1,5 A	5 V DC 3,1 A	5 V DC 9,6 A
Multisafe technology	•	•	•	•	•	•
Smart IC	•		•		•	•
Qualcomm Quick Charge 3.0				•		
Dimensions (mm)	43 x 24 x 24	73 x 28 x 21	73 x 28 x 21	73 x 28 x 21	485 x 28 x 21	54 x 27 x 80
Weight (g)	12	22	51	200	45	128
PU	4	4	4	4	4	4
Included accessories					2in1 USB Type C & Micro USB cable	
Details	Page 72	Page 72	Page 72	Page 73	Page 73	Page 73
Part number	1000-0023	1000-0021	1000-0020	1000-0024	1000-0022	1000-0017

Car chargers



Product	ALCT 6-24/10	ALCT 6-24/4	ALCT 6-24/2	ALCS 2-12/0.4	ALCS 2-24A
Input voltage	230 V AC	230 V AC	230 V AC	100 - 240 V AC	230 V AC
Battery voltage	Autom. 6 / 12 / 24	Autom. 6 / 12 / 24	Autom. 6 / 12 / 24	2 / 6 / 12	Autom. 2 / 6 / 12 / 24
Charge current (mA)	1000 / 10000 / 5000	1000 / 4000 / 2000	500 / 2000 / 1000	400	900 / 700 / 600 / 300
Charging characteristic					
For batteries from (Ah)	4,5	4,5	1,2	1,2	1,3
Suitable battery types	Lead acid / Lead Gel AGM	Lead acid / Lead Gel AGM	Lead acid / Lead Gel AGM	Lead acid / Lead Gel AGM	Lead acid / Lead Gel AGM
Charge current controls	•	•	•	•	•
Overload protection	•	•	•	•	•
Refresh mode	•	•	•		
Low temperature mode	•	•	•		
Dimensions (mm)	272 x 194 x 142	210 x 63 x 46	130 x 43 x 50	69 x 42 x 70	106 x 68 x 88
Weight (g)	1420	560	395	135	230
PU	4	10	4	4	10
Details	Page 76	Page 76	Page 76	Page 77	Page 77
Part number	1001-0014	1001-0017	1001-0016	1001-0015	9164016

POWERBANKS



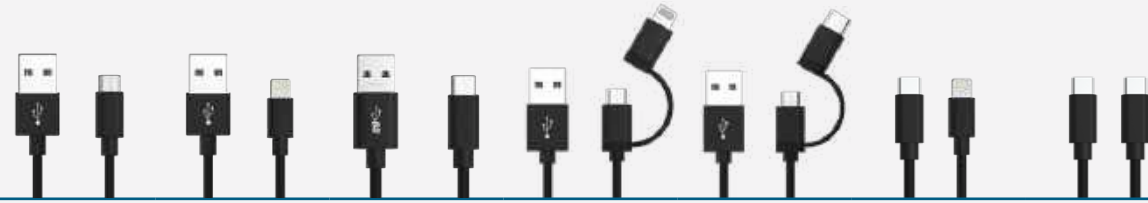
Product	Powerbank 24.0 PD	Powerbank 20.0 PD	Powerbank 15.0 PD	Powerbank 10.0 PD	Powerbank 20.8
Connections Input	Micro USB USB Type C	Micro USB USB Type C	Micro USB USB Type C	Micro USB USB Type C	Micro USB
Connections Output	2x USB QC 3.0 USB Type C	2x USB QC 3.0 USB Type C	2x USB QC 3.0 USB Type C	2x USB QC 3.0 USB Type C	2x USB
Cell type	LiPo	LiPo	LiPo	LiPo	LiPo
Capacity	24.000 mAh 88,8 Wh	20.000 mAh 74 Wh	15.000 mAh 55,5 Wh	10.000 mAh 37 Wh	20.800 mAh 74 Wh
Input voltage					
<i>Micro USB</i>	5 V DC 2,0 A	5 V DC 2,0 A	5 V DC 2,0 A	5 V DC 2,0 A	5 V DC 2,0 A
<i>USB Type C</i>	5 V DC 2,0 A 9 V DC 2,0 A	5 V DC 2,0 A 9 V DC 2,0 A	5 V DC 2,0 A 9 V DC 2,0 A	5 V DC 2,0 A 9 V DC 2,0 A	
Output Voltage					
<i>USB</i>	5 V DC 3,0 A				5 V DC max. 2,0 A
<i>USB QC 3.0</i>	5 V DC 3,0 A 9 V DC 2,0 A	5 V DC 3,0 A 9 V DC 2,0 A	5 V DC 3,0 A 9 V DC 2,0 A	5 V DC 3,0 A 9 V DC 2,0 A	
<i>USB Type C</i>	12 V DC 1,5 A	12 V DC 1,5 A	12 V DC 1,5 A	12 V DC 1,5 A	
<i>Wireless</i>					
Charging time					
<i>Micro USB</i>	12 h	11 h	8 h	6 h	9 h
<i>USB Type C</i>	7 h	5 V: 11 h 9 V: 7,5 h	5 V: 8 h 9 V: 5 h	5 V: 6 h 9 V: 3,5 h	
Maximum Smartphone charges	11	8	6	4	8
Multi Safe Technology	•	•	•	•	•
Quick Charge Compatible	•	•	•	•	
Power Delivery	• 18 W	• 18 W	• 18 W	• 18 W	
TÜV certified	•	•	•	•	•
LED light					
Dimensions (mm)	165 x 78 x 29	137 x 67 x 25	137 x 67 x 19	13 x 67 x 14	160 x 80 x 21
Weight (g)	696	406	337	250	428
PU	4	4	4	4	4
Included accessories	1x USB to Micro USB & 1x USB Type C to USB Type C charging cable	1x USB to Micro USB & 1x USB Type C to USB Type C charging cable	1x USB to Micro USB & 1x USB Type C to USB Type C charging cable	1x USB to Micro USB & 1x USB Type C to USB Type C charging cable	USB to Micro USB charging cable
Details	Page 84	Page 85	Page 82	Page 85	Page 88
Part number	1700-0112	1700-0113	1700-0114	1700-0115	1700-0068



Product	Powerbank 10.8 Mini	Powerbank 8.0 Wireless	Powerbank Slim	Powerbank 5.4	Powerbank 10.8
Connections Input	Micro USB	Micro USB USB Type C	Micro USB	Micro USB	Micro USB
Connections Output	2x USB	2x USB Wireless Qi ready	USB	2x USB	2x USB
Cell type	LiPo	LiPo	LiPo	LiPo	LiPo
Capacity	10.000 37 Wh	8.000 mAh 29,6 Wh	4.000 mAh 14,8 Wh	5.000 mAh 18,5 Wh	10.000 mAh 37 Wh
Input voltage					
<i>Micro USB</i>	5 V DC 2,0 A	5 V DC 2,0 A	5 V DC 1,0 A	5 V DC 2,0 A	5 V DC 2,0 A
<i>USB Type C</i>		5 V DC 2,0 A			
Output Voltage					
<i>USB</i>	5 V DC max. 2,4 A	5 V DC max. 2,1 A	5 V DC 1,0 A	5 V DC max. 2,4 A	5 V DC max. 2,4 A
<i>USB QC 3.0</i>	5 V DC max. 2,1 A				
<i>Wireless</i>		5 V DC max. 1,0 A			
Charging time					
<i>Micro USB</i>	6 h	4,5 h	5 h	3 h	6 h
<i>USB Type C</i>					
Maximum Smartphone charges	4	3	2	2	4
Multi Safe Technology	•	•	•	•	•
Quick Charge Compatible					
Power Delivery					
TÜV certified	•	•	•	•	•
LED light		•			
Dimensions (mm)	92.5 x 64 x 24	198 x 86 x 24	110 x 67 x 10	120 x 67 x 12	123 x 71 x 19
Weight (g)	208	181	127	135	226
PU	4	4	12	4	4
Included accessories	USB to Micro USB charging cable	USB to Micro USB charging cable	USB to Micro USB charging cable	USB to Micro USB charging cable	USB to Micro USB charging cable
Details	Page 86	Page 88	Page 89	Page 89	Page 88
Part number	1700-0091	1700-0109	1700-0110 (silver) 1700-0111 (rose)	1700-0066	1700-0067 (black) 1700-0067-1 (white)

SMARTPHONE ACCESSORIES

USB cable



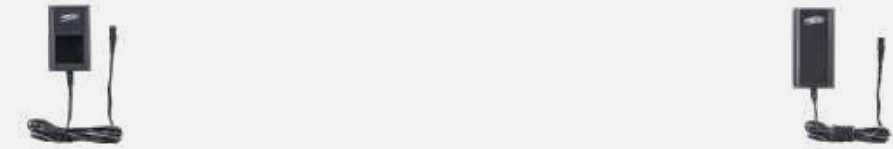
Product	Micro USB cable	Lightning cable	Type C cable	2in1 Micro & Lightning	2in1 Micro & Type C	Type C to Lightning	Type C to Type C
Cable length (cm)	120 200	120 200	120 200	120	120	120 200	120 200
Connector type	Micro USB	Apple Lightning	USB Type C	Apple Lightning Micro USB	USB Type C Micro USB	Apple Lightning USB Type C	USB Type C USB Type C
Material	Aluminium housing with strain relief						
Cable head	Highly flexible TPE plastic						
Charge & synchronize	•	•	•	•	•	•	•
Quick chargeable	•	•	•	•	•	•	•
Made for iPhone		•		•		•	
Weight (g)	23 39	23 39	34 56	27	26	36 57	34 54
PU	8	8	8	8	8	8	8
Details	Page 94	Page 94	Page 95	Page 95	Page 95	Page 94	Page 94
Part number	120 cm: 1700-0076 200 cm: 1700-0077	120 cm: 1700-0078 200 cm: 1700-0079	120 cm: 1700-0080 200 cm: 1700-0081	1700-0082	1700-0083	120 cm: 1700-0106 200 cm: 1700-0107	120 cm: 1700-0121 200 cm: 1700-0122

Smartphone holder



Product	Magnetic holder for windscreen	Magnetic holder for ventilation grilles	USB car charger with cradle
Input voltage	12-24 V DC 1.5 A		
Output voltage	5 V DC 2.4 A		
Dimensions (mm)	50 x 40 x 38	55 x 40 x 38	168 x 85 x 35
Weight (g)	85	59	166
PU	4	10	4
Included accessories	2 ultra thin metal plates	2 ultra thin metal plates	USB to Micro USB charging cable
Details	Page 98	Page 98	Page 99
Part number	1700-0070	1700-0069	1000-0011

UNIVERSAL POWER SUPPLIES



Product	APS 300	APS 600	APS 1000	APS 1500	APS 2250 L	APS 2250 H
Input voltage	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC
Secondary connector set	•	•	•	•	•	•
Max. Output current (mA)						
3,0 V DC	600	600	1000	1500		
4,5 V DC	600	600	1000	1500		
5,0 V DC	600	600	1000	1500	2250	
6,0 V DC	600	600	1000	1500	2250	
7,5 V DC	450	600	1000	1500	2250	
9,0 V DC	400	600	1000	1500	2250	
12,0 V DC	300	600	1000	1500	2250	2250
13,5 V DC					1800	
15,0 V DC					1800	1800
18,0 V DC						1500
19,0 V DC						1400
20,0 V DC						1350
22,0 V DC						1200
24,0 V DC						1000
Maximum output power (W)	3,6	7,2	12	18	27	27
Stabilised	•	•	•	•	•	•
Reverse polarity coupling	•	•	•	•	•	•
Dimensions (mm)	42 x 69 x 70	42 x 69 x 70	48 x 74 x 70	55 x 80 x 70	53 x 100 x 32	53 x 100 x 32
Weight (g)	102	125	144	161	291	291
PU	4	4	4	4	4	4
Included accessories	Additional connector set	Additional connector set	Additional connector set	Additional connector set	Additional connector set	Additional connector set
Details	Page 102	Page 102	Page 102	Page 102	Page 103	Page 103
Part number	5111233	1201-0000	5111243	5111253	5311133	5311143

TRAVEL PLUGS



Product	World to EU	World to EU + USB	All in One 3	All in One 2	EU to UK
Connector type					
EU	•	•	•	•	
UK			•	•	•
US			•	•	
AU			•	•	
CH			•		
IT			•		
For trips to	Germany, France, Spain, Norway, Sweden, Finland, etc.	Germany, France, Spain, Norway, Sweden, Finland, etc.	Germany, Great Britain, USA, Australia, etc.	Germany, Great Britain, USA, Australia, etc.	Great Britain, Hong Kong, Malaysia, Singapore, etc.
USB Input		•			
Suitable for protection class I^{*1}	•	•	•	•	•
Suitable for protection class II^{*2}	•	•	•	•	•
Max. voltage	250 V	250 V	250 V	250 V	250 V
Max. electricity	16 A	16 A	6,3 A	2,5 A	10 A
Usable device connectors					
EU			•	•	•
UK	•	•	•	•	
US	•	•	•	•	
AU	•	•	•	•	
CH	•	•	•		
IT	•	•	•		
Dimensions (mm)	63 x 63 x 59,5	63 x 63 x 59,5	57 x 73 x 65	54 x 50 x 53	64 x 56 x 63
Weight (g)	65	80	208	100	68
PU	24	24	4	4	6
Details	Page 106	Page 106	Page 107	Page 107	Page 106
Part number	1250-0011	1250-0012	1809-0000	1250-0006	1250-0031



Product	EU to US	EU to AU	EU to CH	EU to IT
Connector type				
EU				
UK				
US	•			
AU		•		
CH			•	
IT				•
For trips to	USA, Canada, Mexico, Cuba, Thailand, etc.	Australia, Argentina, China, Nepal, New Zealand, etc.	Switzerland, Liechtenstein, Maldives, etc.	Italy, Chile, etc.
USB Input				
Suitable for protection class I^{*1}	•	•	•	•
Suitable for protection class II^{*2}	•	•	•	•
Max. voltage	125 V	250 V	250 V	250 V
Max. electricity	15 A	10 A	6,3 A	10 A
Usable device connectors				
EU	•	•	•	•
UK				
US				
AU				
CH				
IT				
Dimensions (mm)	60 x 53 x 63	53 x 60 x 63	53 x 60 x 73	53 x 60 x 67
Weight (g)	51	48	52	46
PU	6	6	6	6
Details	Page 106	Page 107	Page 107	Page 107
Part number	1250-0032	1250-0033	1250-0034	1250-0035

*1 Devices with protective contact (protective earth)
*2 Devices without protective contact

FLASHLIGHTS

Professional M-Series



Product	M100F	M250F	M200F	M350F	M900P
Included batteries	1x Mignon AA Alkaline	3x Micro AAA Alkaline	2x Mignon AA Alkaline	4x Micro AAA Alkaline	4x Mignon AA Alkaline
Light sources	3,0 W LED	5,0 W LED	5,0 W LED	5,0 W LED	10,0 W Cree LED
Headlight range (m) according to ANSI FL1	70	150	120	140	240
Light duration (h)	5	10	22	12	20
Brightness (Lumen)	115	260	240	320	930
Brightness (Lux)	1250	5700	3000	4600	14000
Focusable	•	•	•	•	
Tactical functions	100 % 30 % Strobe Dimming	100 % 30 % Morse Strobe Dimming	100 % 30 % Strobe Dimming	100 % 30 % Boost Morse Strobe Dimming	100 % 30 % Boost Strobe Dimming
Dust & water protection	IP54	IP54	IP54	IP54	IP67
Dimensions (mm)	104 x ø 25	123 x ø 34	164 x ø 29	143 x ø 39	174 x ø 40,5
Weight including batteries (g)	92	157	174	241	187
PU	6	6	6	6	6
Included accessories	Hand strap Clip	Hand strap Clip	Hand strap Clip	Hand strap Clip	Hand strap
Warranty	3 years	3 years	3 years	3 years	3 years
Details	Page 114	Page 114	Page 114	Page 112	Page 115
Part number	1600-0170	1600-0171	1600-0173	1600-0172	1600-0162

Home X-Series



Product	X10	X15	X20	X30
Included batteries	1x Mignon AA Alkaline	2x Micro AAA Alkaline	2x Mignon AA Alkaline	2x Baby C Alkaline
Light sources	0,36 W LED	5 mm LED	0,36 W LED	2,0 W LED
Headlight range (m) according to ANSI FL1	50	20	65	110
Light duration (h)	22	45	30	40
Brightness (Lumen)	25	15	25	40
Brightness (Lux)	820	45	900	3000
Dust & water protection	IPX4	IPX4	IPX4	IPX4
Dimensions (mm)	103 x ø 25	134 x ø 13	152 x ø 25	200 x ø 44
Weight including batteries (g)	75	38	110	363
PU	6	6	6	6
Included accessories	Hand strap	Clip	Hand strap	Hand strap
Warranty	2 years	2 years	2 years	2 years
Details	Page 124	Page 124	Page 125	Page 125
Part number	1600-0153	1600-0169	1600-0154	1600-0155

FLASHLIGHTS

Outdoor T-Series



Product	T350FR	Multi 3in1	T50F	T60F	T120
Included batteries		3x Micro AAA Alkaline	1x Mignon AA Alkaline	1x Micro AAA Alkaline	2x Micro AAA Alkaline
Battery cell type	Li-Ion 3, V (integrated)				
Light sources	5 W LED	3 W LED 3x white & red LED's	3 W LED	3 W LED	3 W LED
Headlight range (m) according to ANSI FL1	110	130	75	60	75
Light duration (h)	5.5	11	2.5	45	4
Brightness (Lumen)	300	180	60	55	130
Brightness (Lux)	3000	4550	1250	800	1350
Focusable	•	•	•	•	
Lens technology	•	•	•	•	•
Dimmable	•				
Charging via USB	•				
Holding magnet		•			
Energy label (see page 189)					
Lighting functions	100 % 20 % Dimming	Flashlight Working light Signal light	100 %	100 %	100 %
Storage temperature	-20° to 60° C	-20° to 50° C	-20° to 50° C	-20° to 50° C	-20° to 50° C
Operating temperature	-20° to 25° C	-20° to 25° C	-20° to 25° C	-20° to 25° C	-20° to 25° C
Dust & water protection	IP54	IP54	IP54	IPX3	IP54
Dimensions (mm)	94 x ø 27	125,5 x ø 33	91,5 x ø 21	82,5 x ø 15	115 x ø 16
Weight inclusive batteries/ rechargeable batteries (g)	93	183	60	34	55
PU	6	6	6	6	6
Included accessories	Hand strap	Clip	Hand strap	Key ring	Clip
Details	Page 118	Page 120	Page 121	Page 121	Page 121
Part number	1600-0247	1600-0137	1600-0159	1600-0259	1600-0160



Product	T150	T200F	T300F	T400FR	T500F	T600FRB
Included batteries	2x Mignon AA Alkaline	3x Micro AAA Alkaline	2x Baby C Alkaline		3x Mono D Alkaline	3x Micro AAA Alkaline
Battery cell type				18650 Li-Ion changeable (incl.)		18650 Li-Ion changeable
Light sources	3 W LED	3 W LED	5 W LED	5 W LED	10 W LED	10 W LED
Headlight range (m) according to ANSI FL1	150	174	110	175	170	165
Light duration (h)	10	13	7	9	43	27
Brightness (Lumen)	150	200	320	400	710	620
Brightness (Lux)	5000	7560	2500	7500	7000	6500
Focusable		•	•	•	•	•
Lens technology	•	•	•	•	•	•
Dimmable		•		•		
Charging via USB				•		
Holding magnet						
Energy label (see page 189)				•		
Lighting functions	100 %	100 % 30 %	100 % 40 %	100 % 30 % SOS Strobe	100 % 40 %	100 % 25 % 10 % SOS Strobe
Storage temperature	-10° to 50° C	-10° to 50° C	-10° to 50° C	-20° to 50° C	-10° to 50° C	-10° to 50° C
Operating temperature	-10° to 25° C	-10° to 25° C	-10° to 25° C	-20° to 25° C	-10° to 25° C	-10° to 25° C
Dust & water protection	IP54	IP54	IP54	IPX4	IP54	IPX4
Dimensions (mm)	156 x ø 25	135 x ø 31	236 x ø 44	169 x ø 32	320 x ø 52	123 x ø 35
Weight inclusive batteries/ rechargeable batteries (g)	100	147	434	188	923	142
PU	6	6	4	1	4	5
Included accessories	Hand strap	Hand strap	Hand strap	Hand strap, Micro USB charging cable	Hand strap	Clip
Details	Page 121	Page 122	Page 122	Page 123	Page 123	Page 123
Part number	1600-0145	1600-0138	1600-0202	1600-0150	1600-0203	1600-0268

HEAD LIGHTS



Product	HD150BS	HD70B	HD200B	HD250RS	HD500R	HD120B
Included batteries	3x Micro AAA Alkaline	1x Mignon AA Alkaline	3x Micro AAA Alkaline			3x Micro AAA Alkaline
Battery cell type				Li-Po battery 3,7 V 1200 mAh	18650 Li-Ion battery 3,7 V 2600 mAh (incl.)	
Light sources	5 W LED 5 mm LED	3 W LED Additional LED	3 W LED COB LED	5 W Cree LED 4 W COB LED	10 W LED	1 W Cree LED
Headlight range (m) according to ANSI FL1	75	80	50	51	160	14
Light duration (h)	30	36	17	9	19	15
Brightness (Lumen)	190	65	185	250	550	125
Brightness (Lux)	1400	1600	1200	2600	6500	52
Adjustable head	•	•	•	•	•	
Charging via USB				•	•	
Energy label (see page 189)				•		
Lighting functions	100 % 30 % Close range LED's Sensor mode	100 % 25 % Close range LEDs	100% High Power 100% 3 W 100% COB 30% COB	100% High Power 100% 3 W 100% COB 30% COB Sensor mode	100 % 50 % 25 % Strobe	100 % 30 %
Storage temperature	-20 to 70 °C	-10 to 50 °C	-20 to 70 °C	-20 to 60 °C	-20 to 60 °C	-10 to 50 °C
Operating temperature	-10 to 25 °C	-10 to 25 °C	-10 to 25 °C	-20 to 25 °C	-20 to 25 °C	-10 to 25 °C
Dust & water protection	IP54	IP44	IP44	IP54	IP64	IPX2
Dimensions (mm)	60 x 53 x 45	64 x 28 x 35	68 x 47 x 34	58 x 36,5 x 43,5	37 x 85 x 50	74 x 42 x 21
Weight inklusive Batterien/Battery (g)	94	66	102	80	131	86
PU	6	6	6	6	6	12
Included accessories	Headband	Headband	Headband	Headband Micro USB charging cable	Headband Micro USB charging cable	Headband
Details	Page 128	Page 130	Page 130	Page 130	Page 131	Page 131
Part number	1600-0199	1600-0260	1600-0198	1600-0224	1600-0325	1600-0357

ACCESSORIES



Product	Universal holster	Lamp holder	Carrying strap	Battery pack	Universal Tripod
Compatible with	Flashlights with 150 x ø 34 mm	Flashlights with ø 25 - 34 mm	HS1000FR, HS5R & HS20R	HS4500R Duo	Floodlight series
Dimensions (mm)	51 x 34 x 154	86 x 38 x 96	940 x 38	112 x 79,5 x 65	109,5 x 96 x 875
Weight (g)	41	100	41	650	3188
PU	10	20	6	16	1
Details	Page 125	Page 125	Page 140	Page 140	Page 145
Part number	1600-0017	1600-0080	1600-0022	1400-0080	1600-0315

ANSMANN

This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

874/2012

The following articles are legally marked with the energy label and energy efficiency class for LED lights: 1600-0150, 1600-0224, 1600-0223, 1600-0222, 1600-0358, 1600-0152, 1600-0055, 1600-0304, 1600-0274, 1600-0275, 1600-0276, 1600-0277, 1600-0278, 1600-0279, 1600-0280, 1600-0281, 1600-0282, 1600-0283, 1600-0284, 1600-0285, 5101173, 1600-0096, 1600-0097, 1600-0098

WORK LIGHTS



Product	HS20R Pro	HS5R	HS4500R Duo	IL300R	IL150B	WL280B
Batteries (incl.) or battery cell type	Li-Ion battery 3,7 V 10400 mAh	Li-Ion battery 3,7 V 2600 mAh	Li-Ion battery 14,8 V 5200 mAh	Li-Ion battery 3,7 V 2200 mAh	3x Micro AAA Alkaline	3x Mignon AA Alkaline
Light sources	10 W Cree LED 2x 5 W Cree LED	5 W Cree LED	120 LEDs max. 60 W	6x 0,5 W SMD LEDs 1 W LED	3 W COB LED 1 W LED	6x 0,65 W SMD LED 4 x 5 mm LED
Headlight range (m) according to ANSI FL1	470	500	80	55	16	40
Light duration (h)	119	9.5	12	9	20	25
Brightness (Lumen)	1700	420	4500	325	150	280
Brightness (Lux)	55140	63150	6450	555	250	320
Focusable						
Holding magnet	•	•		•	•	•
Rotatable head / handle	•	•	•	•		•
Hook				•		•
Power failure electronics	•	•				
Charging via USB	•	•	•	•		
Energy label (see page 189)	•	•	•	•		
Lighting functions	Dimming 8 - 100 % Warning flash mode Soft-start dimming	100 % 25 % Warning flash mode	100 % 75 % 50 % 25 %	100 % main light 100 % top LED	100 % 30 % main light 100 % Top LED	100 % main light 100 % top LED
Operating temperature	-10 to 25 °C	-10 to 25 °C	-5 to 30 °C	-20 to 25 °C	-10 to 25 °C	-20 to 25 °C
Dust & water protection	IP20	IP20	IP54	IP20	IP54	IP54
Dimensions (mm)	215 x 81 x 105	215 x 81 x 105	299 x 176 x 132	274 x 64 x 40	185 x 35 x 20	189 x 60 x 40
Weight (g)	990	800	2140	321	56	252
PU	6	6	1	4	8	6
Included accessories	Charging station colour filter disk Micro USB charging cable	Charging station colour filter disk Micro USB charging cable	Charging station Battery pack	Micro USB charging cable		
Details	Page 134	Page 136	Page 136	Page 137	Page 137	Page 138
Part number	1600-0223	1600-0222	1600-0358	1600-0152	1600-0211	1600-0179



Product	WL200B	WL250B	WL30B	WL180B	WL450R
Batteries (incl.) or battery cell type	3x Micro AAA Alkaline	4x Mignon AA Alkaline	1x Micro AAA Alkaline	3x Mignon AA Alkaline	Li-Ion Battery 3,7 V 2000 mAh
Light sources	5x 0.65 W SMD LED 1,5 W LED	1 W SMD LED 3 W COB LED	1 W COB LED	3 W COB LED	4 W COB LED 3 W LED
Headlight range (m) according to ANSI FL1	15	19	7	17	31
Light duration (h)	8.5	7.5	4.5	31	23
Brightness (Lumen)	220	215	40	200	490
Brightness (Lux)	320	360	50	275	970
Focusable					
Holding magnet	•	•		•	•
Rotatable head / handle	•				
Hook	•	•		•	
Power failure electronics					
Charging via USB					•
Energy label (see page 189)					•
Lighting functions	100 % main light 100 % top LED	100 % main light 100 % top LED	100 %	100 % 50 %	100 % main light 100 % top LED
Operating temperature	-20 to 25 °C	-20 to 25 °C	-10 to 50 °C	-10 to 50 °C	-10 to 50 °C
Dust & water protection	IP21	IPX3	IP20	IP20	IPX4
Dimensions (mm)	125 x 65 x 22	290 x 38 x 23	85 x 38 x 33	125 x 65 x 31	125 x 422 x 27.5
Weight (g)	195	190	150	300	300
PU	6	16	60	30	32
Included accessories				4 Bits	Micro USB charging cable
Details	Page 139	Page 139	Page 140	Page 141	Page 141
Part number	1600-0180	1600-0265	1600-0302	1600-0303	1600-0304

FLOODLIGHTS

Construction lights



Product	FL800R	FL1600R	FL2400R	FL800AC	FL1600AC	FL2400AC
Battery cell type	Li-Ion Battery 7,4 V 2200 mAh	Li-Ion Battery 7,4 V 4400 mAh	Li-Ion Battery 11,1 V 4400 mAh			
Light sources	SMD LED	SMD LED	SMD LED	SMD LED	SMD LED	SMD LED
Wattage	10	20	30	10	20	30
Input voltage	100 - 240 V AC (Netzteil)	100 - 240 V AC (Netzteil)	100 - 240 V AC (Netzteil)	230 V AC	230 V AC	230 V AC
Output voltage	500 mA	1000 mA	1000 mA			
Dust & water protection	IP54	IP54	IP54	IP54	IP54	IP54
Impact resistance	IK05	IK05	IK05	IK05	IK05	IK05
Protection class	3	3	3	1	1	1
Colour temperature (Kelvin)	5000	5000	5000	5000	5000	5000
Colour rendering index (CRI)	RA > 80	RA > 80	RA > 80	RA > 80	RA > 80	RA > 80
Brightness (Lumen)	800	1600	2400	800	1600	2400
Light duration (h)	12	10	10			
Charging time (h)	4	4,5	5,5			
Maximum projection area	474 cm ²	726 cm ²	797 cm ²	446 cm ²	694 cm ²	825 cm ²
Operating temperature	-20 to 50° C	-20 to 50° C	-20 to 50° C	-20 to 50° C	-20 to 50° C	-20 to 50° C
Energy label (see page 189)	•	•	•	•	•	•
Dimensions (mm)	170 x 117 x 240	225 x 130 x 285	250 x 142 x 330	170 x 117 x 240	225 x 130 x 285	250 x 142 x 330
Weight (g)	914	1485	1856	965	1403	1674
PU	6	6	6	6	6	6
Included accessories	Power supply	Power supply	Power supply			
Warranty*	10 years*	10 years*	10 years*	10 years	10 years	10 years
Details	Page 144	Page 144	Page 144	Page 145	Page 145	Page 145
Part number	1600-0274	1600-0275	1600-0276	1600-0277	1600-0278	1600-0279

* except battery pack

Wall spotlight



Product	WFL800	WFL1600	WFL2400	WFL800S	WFL1600S	WFL2400S
Light sources	SMD LED	SMD LED	SMD LED	SMD LED	SMD LED	SMD LED
Wattage	10	20	30	10	20	30
Input voltage	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC
Dust & water protection	IP54	IP54	IP54	IP54	IP54	IP54
Impact resistance	IK05	IK05	IK05	IK05	IK05	IK05
Protection class	1	1	1	1	1	1
Colour temperature	5000	5000	5000	5000	5000	5000
Colour rendering index (CRI)	RA > 80	RA > 80	RA > 80	RA > 80	RA > 80	RA > 80
Brightness (Lumen)	800	1600	2400	800	1600	2400
Mounting height	max. 3 m	max. 3 m	max. 3 m	max. 3 m	max. 3 m	max. 3 m
Burn time sensor				40 sek - 5 min	40 sek - 5 min	40 sek - 5 min
Sensor range				max. 12 m	max. 12 m	max. 12 m
Sensor detection angle				Horizontal: 180° Vertikal: +10° -80°	Horizontal: 180° Vertikal: +10° -80°	Horizontal: 180° Vertikal: +10° -80°
Maximum projection area	250 cm ²	420 cm ²	585 cm ²	250 cm ²	420 cm ²	585 cm ²
Operating temperature	-20 to 50° C	-20 to 50° C	-20 to 50° C	-20 to 50° C	-20 to 50° C	-20 to 50° C
Energy label (see page 189)	•	•	•	•	•	•
Dimensions (mm)	150 x 50 x 170	200x 75 x 225	231 x 41 x 202	145 x 50 x 170	200 x 75 x 225	235 x 35 x 200
Weight (g)	365	759	1150	422	819	1197
PU	6	6	6	6	6	6
Warranty	10 years	10 years	10 years	10 years	10 years	10 years
Details	Page 148	Page 148	Page 148	Page 149	Page 149	Page 149
Part number	1600-0280	1600-0281	1600-0282	1600-0283	1600-0284	1600-0285

HOME & OFFICE



Product	Twinflex	RC2	Action 9	Laserpointer 4in1	Keychain 2in1
Included batteries	3x Micro AAA Alkaline		3x Micro AAA Alkaline	3x LR41 coin cells	3x LR41 coin cells
Battery Cell type / voltage		NiMH Battery 160 mAh			
Light sources	2x SMD LED	3x LED	9x LED	1x LED	1x LED
Headlight range (m) according to ANSI FL1	Nahbereich	20	30	500	50
Light duration (h)	95	3	25		
Brightness (Lumen)	50	12	20		
Brightness (Lux)	80	200			
Colour temperature (Kelvin)	6500 - 7500				
Magnet	•				
Rotatable head / handle		•			
Laser pointer				•	•
Touch screen pen				•	
Ballpoint pen				•	
Twilight sensor					
Motion detector					
Energy label (see page 189)		•			
Lighting functions	100 % 50 %	100 %	100 %	100 %	100 %
Dust & water protection			IP54		
Dimensions (mm)	255 x 40 x 45	149 x 44 x 33	95 x ø 29	153 x ø 10	60 x ø 10
Weight (g)	60	87	86	29	13
PU	4	4	10	10	12
Details	Page 152	Page 152	Page 152	Page 153	Page 153
Part number	1600-0119	5101173	5016243	1600-0269	1600-0270



Product	Stylus Touch 4in1	Keychain Light	Twilight	Ambiente	Motion	Free Motion
Included batteries	3x LR41 coin cells	4x LR41 coin cells				3x Micro AAA Alkaline
Battery Cell type / voltage			220 V - 230 V AC	220 V - 230 V AC	220 V - 230 V AC	
Light sources	1x LED	1x LED	2x LED	2x LED	0,3 W LED	0,3 W LED
Headlight range (m) according to ANSI FL1	100	5				
Light duration (h)		4				
Brightness (Lumen)			25	25	25	25
Brightness (Lux)						
Colour temperature (Kelvin)						
Magnet						•
Rotatable head / handle						
Laser pointer	•					
Touch screen pen	•					
Ballpoint pen	•					
Twilight sensor			•		•	•
Motion detector					•	•
Energy label (see page 189)			•	•	•	
Lighting functions	100 %	100 %	100 %	100 %	100 %	100 % Auto Sensor on Sensor off
Dust & water protection						
Dimensions (mm)	120 x ø 10	50,5 x ø 10	44 x 81 x 59	44 x 81 x 59	80 x 80 x 65	71 x 68 x 27
Weight (g)	22	13	42	42	86	54
PU	10	12	6	6	6	6
Details	Page 153	Page 153	Page 154	Page 154	Page 154	Page 155
Part number	1600-0271	1600-0272	1600-0096	1600-0098	1600-0097	1600-0095

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