



# Design & Ecology

2012-2013 Calculator Collection



**Canon**

## Design x Ecology

You desire a calculator that makes a difference and can own with pride.

Canon presents you the trendsetter – the X Mark I series, which excels in style, efficiency and environmental accountability.

Incorporated with two core elements – design & ecology, the X Mark I series represents a breakthrough from traditional calculator image and serves as a stylish & sophisticated office assistant in all occasions.

# Canon



### Content

X Series	P.3 - 10
Scientific	P.11 - 14
Arc Series	P.15 - 18
Hi III Series	P.19 - 20
Color Series	P.21 - 24
Green Series	P.25 - 26
Desktop	P.27 - 31
Handheld	P.32
Printing Calculator	P.33 - 36
Clock & Timer	P.37
Functionality Highlights	P.38
Calculation Specifications	P.39 - 46
Calculation Examples	P.47 - 48
Glossary of Functions	P.49 - 50
Package List	P.51
Barcode List	P.52
Canon Subsidiaries	P.53
Symbol Guide	P.54



Mark I

## Award & certification



reddot design award  
winner 2011  
(for X Mark I & X Mark I Print)



reddot design award  
winner 2012  
(for X Mark I Pointer)

### Red dot Design Award

Red dot design award breaks down into the three disciplines: product design, communication design and design concept. It serves as a platform for design-relevant innovations. Since 1955, it has been recognized as an international label and quality seal. The award is given to X Mark I & X Mark I Print in 2011, and X Mark I Pointer in 2012 for their outstanding product design achievement. The degree of innovation, quality, ecology and symbolic and emotional content excel other products in other category.



product design award  
2011  
(for X Mark I)

### iF Product Design Award

iF product design award yearly recognizes products that ingeniously unite functionality, comfort and aesthetics and embrace the challenges of innovation since 1953. The award is evaluated upon criterias like design quality, degree of innovation, environmental impact, ergonomics and visualization of intended use for the best product. X Mark I is given this world renowned award for innovative product design in 2011 in the office & business category by international jury.



(for X Mark I & X Mark I Card)

### Blue Angel (Blauer Engel) Certification

The Blue Angel is the first and most well-known eco-label worldwide. Since 1978 it has set the standard for eco-friendly products and services selected by an independent jury in line with defined criteria. In pursuit of professionally promoting eco-friendly products in the market, the eco-label serves as an ecological beacon showing the consumer the way to the ecologically superior product and promotes environmentally conscious consumption. X Mark I is Canon's first calculator to be awarded the world's renowned environmental label Blue Angel certification for its commitment to environmental protection.

NEW  
PRODUCT

## Professional Textbook Display Scientific Calculator



X Mark I Pro



TYPE Textbook display scientific calculator

- FEATURES
- ◆ 610 functions
  - ◆ High contrast Dual Way Textbook Display
  - ◆ Useful functions easily recalled with the Apps key
  - ◆ High accuracy with 18 internal calculation digits
  - Equation operation up to quartic and 4 unknowns
  - Matrix calculations (up to 4x4) and vector calculations
  - Integration and differentiation
  - Inequality calculations (up to quartic)
  - Ratio calculations
  - Summation ( $\Sigma$ ) and product ( $\Pi$ ) calculations
  - Some parts are manufactured from recycled Canon product materials
  - Pouch case included

SIZE 160 x 76 x 11.3mm

WEIGHT 110.5g



610  
Functions

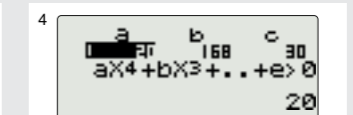
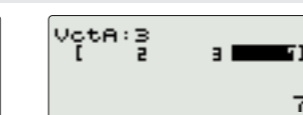
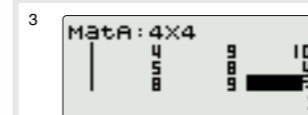
$x = \frac{\pi}{12}$



### FEATURE HIGHLIGHT



1. High contrast textbook display for clear view
2. Stylish matte finished spacious key tops
3. Matrix (up to 4x4) & vector calculations
4. Inequality calculations (up to quartic)



X  
S  
E  
R  
I  
E  
S

**NEW  
PRODUCT**

## Show Off the Contemporary Design Calculator in Anywhere



X Mark I Card



Mark I

TYPE 8-digit credit card size calculator

FEATURES ■ 8-digit calculation with independent memory

◆ **Aluminium lower case which allows customized laser engravings**

- Solar power source only
- Automatic power off function
- Some parts are manufactured from recycled Canon product materials

SIZE 90 x 54 x 7mm

WEIGHT 34g



Black

White



### FEATURE HIGHLIGHT

1. Thin body and lightweight design with metal dome key
2. Portable in compact size
3. Solar powered eco-friendly
4. Aluminium lower case which allows customized laser engravings (X Mark I Card EURO version is available in Europe market only)

Official Sponsor of UEFA EURO 2012™

**NEW  
PRODUCT**



## Reliable & Chic Companion for Presentations



X Mark I Pointer



Mark I

TYPE 8-digit calculator with laser pointer function

FEATURES ■ Built-in laser pointer with projection of red spot

◆ **Aluminium upper case which allows customized laser engravings**

◆ **Business calculation**

- Automatic power off function
- Some parts are manufactured from recycled Canon product materials

SIZE 135.2 x 42.1 x 11.3mm

WEIGHT 44g



reddot design award  
winner 2012

### FEATURE HIGHLIGHT

1. Precise projection with red laser beam
2. Lightweight ergonomic design
3. Convenient operation with business calculation function
4. Customized logo can be printed on lower case (X Mark I Pointer EURO version is available in Europe market only)

Official Sponsor of UEFA EURO 2012™

**NEW  
PRODUCT**



## Innovative 3 in 1 Calculator



### X Mark I Mouse Slim

TYPE 10-digit calculator with wireless laser mouse and keypad functions

FEATURES **◆ 1200 dpi wireless 3 button laser mouse**

- Integrated Bluetooth 2.0 connectivity
- PC-link keypad for numeric data entry with ESC, BACKSPACE, ENTER keys
- Compatible with Windows XP/Window Vista/Windows 8 & Macintosh 10.4-10.8
- Decimal selection (023F)
- Low battery indicator
- Automatic power off function
- Some parts are manufactured from recycled Canon product materials

SIZE 120 x 60 x 28mm

WEIGHT 106g (with AAA alkaline battery x 2) / 83g (without battery)



Mark I



Black

White



#### FEATURE HIGHLIGHT

 1	 2	 3
<p>1. Precision laser: 1200dpi laser technology delivers smooth cursor control</p> <p>2. Bluetooth can be switched off for extension of battery life</p> <p>3. Low battery indicator helps to avoid unexpected power outage</p>		

**NEW  
PRODUCT**

## Portable & Practical 2 in 1 PC-link Calculator



### X Mark I Keypad (RF)

TYPE 10-digit semi-desktop calculator with wireless keypad function

FEATURES **◆ PC-link keypad for numeric data entry with ESC, BACKSPACE, ENTER keys**

- Integrated Radio Frequency 2.4GHz connectivity
- Compatible with Windows XP/Window Vista/Windows 8 & Macintosh 10.4-10.8
- Decimal selection (023F)
- Low battery indicator
- Automatic power off function
- Some parts are manufactured from recycled Canon product materials

SIZE 155 x 86 x 20mm

WEIGHT 163g (with AAA battery x 2) / 140g (without battery)



Mark I



Black

White



#### FEATURE HIGHLIGHT


 1	 2	 3
<p>1. Stable wireless connection to laptops or computers automatically with 2.4GHz radio frequency through compatible USB dongle</p> <p>2. Numeric keypad function supports direct data input to spreadsheets</p> <p>3. Low battery indicator helps to avoid unexpected power outage</p>		




**Prestigious Desktop Calculator**

**Cutting Edge Design Portable Printing Calculator**





**X Mark I**



**Mark I**

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**TYPE** 12-digit semi-desktop calculator

**FEATURES**


- Internal angled display
- ◆ **Aluminium lower case which allows customized laser engravings**
- ◆ **Double injection keys with PC key touch feeling**
- Business calculation
- Grand total calculation
- Solar power source only
- Some parts are manufactured from recycled Canon product materials


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**SIZE** 157 x 95.2 x 13.5mm


**WEIGHT** 205g


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Magenta Light blue Red White Black





**X Mark I Print**



**Mark I Print**

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**TYPE** 12-digit AC/DC ink ribbon printing calculator

**FEATURES**


- ◆ **2-color print (blue & red) with 2.3 lines per second printing speed**
- ◆ **Backlight LCD display**
- Tax and business calculation
- Euro currency conversion
- Low battery indicator
- AC / DC power
- Some parts are manufactured from recycled Canon product materials


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**SIZE** 223 x 108 x 48mm


**WEIGHT** 458g (with AA alkaline battery x 4) / 390g (without battery)


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Black White



**FEATURE HIGHLIGHT**



1. Sophisticated image with laser-engraved aluminium lower case



2. Lustrous surface with durable double injection keys



3. Internal angled display for comfort reading

**FEATURE HIGHLIGHT**



1. High contrast viewing under backlight display



2. Polished and glossy surface



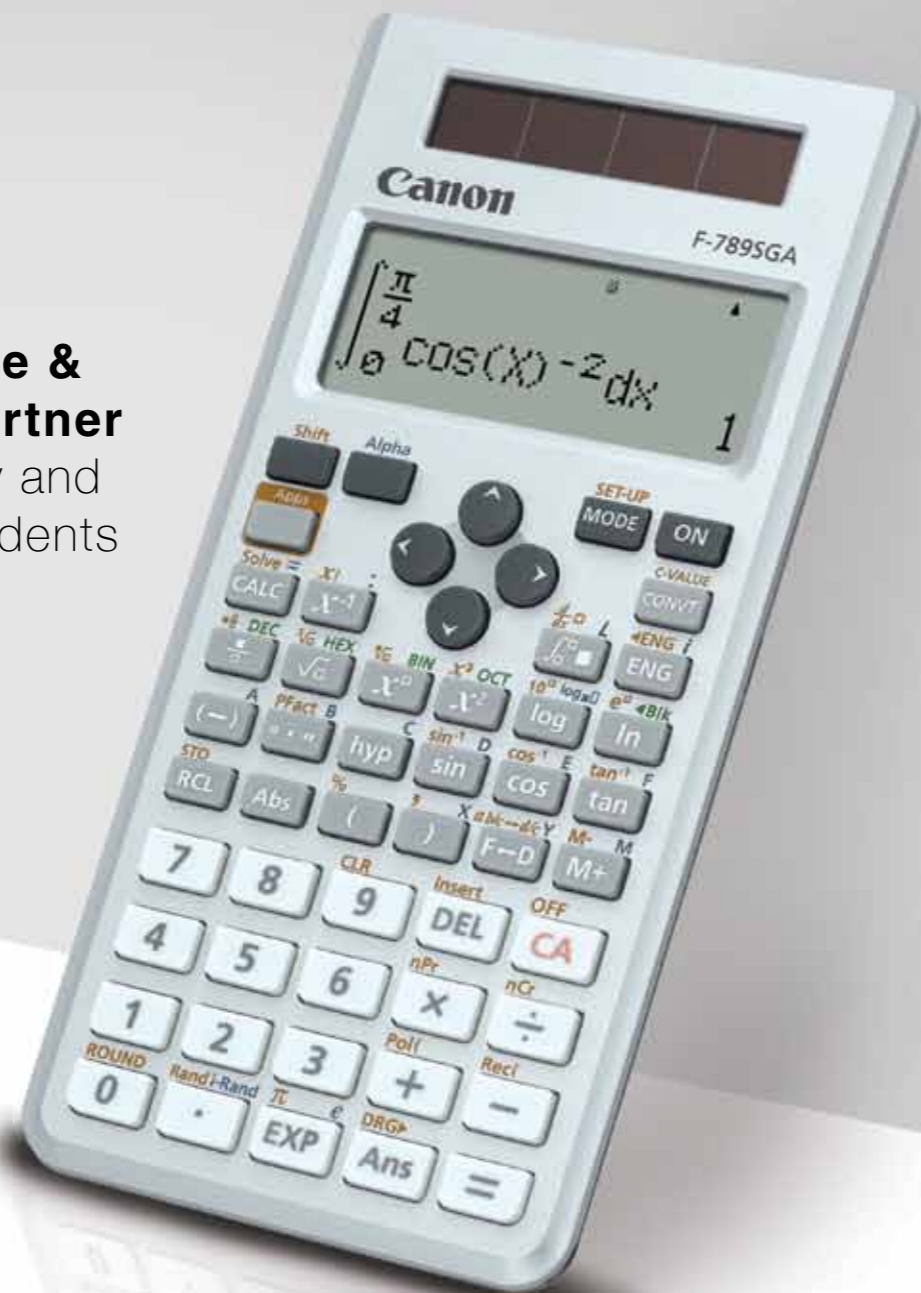
3. PC key touch feeling

X SERIES

X SERIES

**NEW**  
PRODUCT

**Smart Choice & Essential Partner**  
for Secondary and University Students



F-789SGA

TYPE Dual way textbook display scientific calculator

- FEATURES
- ◆ 605 functions
  - ◆ Large Dual Way Textbook Display
  - ◆ Useful functions easily recalled with the Apps key
    - Matrix calculation up to 4x4
    - Equation operation up to quartic and 4 unknowns
    - 79 scientific constants and 172 metric conversions
    - Some parts are manufactured from recycled Canon product materials
    - Antibacterial keys for hygienic environment
    - Quick reference card included

SIZE 171 x 86 x 17.3mm (with hard case) / 168 x 80 x 13.1mm (without hard case)

WEIGHT 120g (with hard case) / 88g (without hard case)

**SIAA**  
ISO22196  
for KOHKIN  
JPO122123A0005R  
KOHKIN is (Japanese)  
identical to Antibacterial  
www.kohkin.net



605 Functions



## Advanced Functions

605 advanced functions performed by Textbook style display. Suitable for users from elementary level to professional level.

<p>Matrix (4x4) (4 matrix memories)</p> <p>1:Det 2:Trn 3:Ide 4:Adj 5:Inv</p>	<p>Vector (4 vector memories)</p> <p>Vector? 1:VctA 2:VctB 3:VctC 4:VctD</p>	<p>Equation Operation (4 unknowns or degree)</p> <p>1:Quad EQN 2:Cubic EQN 3:Quart EQN</p>	<p>Statistics &amp; Regression</p> <p>1:Type 2:Data 3&gt;Edit 4:S-SUM 5:S-VAR 6:S-PTS 7:Distr 8:Reg</p>
<p>Differentiation</p>	<p>Integration</p>	<p>Prime Factorization</p>	<p>Base-N (32 digits)</p>

## Easy-To-Use Interface

Useful functions can be easily recalled with [Apps] key subject to different modes

**NEW** Apps key

<p>1:COMP 2:CPLX 3:STAT 4:BASE 5:EQN 6:TABLE 7:MATX 8:VCTR</p> <p>Mode selection</p>	Apps	<p>1:π 2:Σ 3:Max 4:Min 5:Q...r 6:Mod 7:LCM 8:GCD</p> <p>E.g.1 [Apps] in COMP Mode</p>	<p>1:Dim 2:Data 3:MatA 4:MatB 5:MatC 6:MatD 7:MatAns</p> <p>E.g.2 [Apps] in MATX Mode</p>
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172 patterns of Units Conversions and 79 built-in Constant Values can be previewed instantly before input.

Units Conversions

<p>Unit (distance) feet m mil mm in cm yd mile km</p> <p>Convert 12500 feet to other units. Choose Feet in distance category.</p>	<p>12500 m mil mm in cm yd mile km 3810</p> <p>Feet → Metre</p>	<p>12500 m mil mm in cm yd mile km 150000000</p> <p>Feet → Mile</p>
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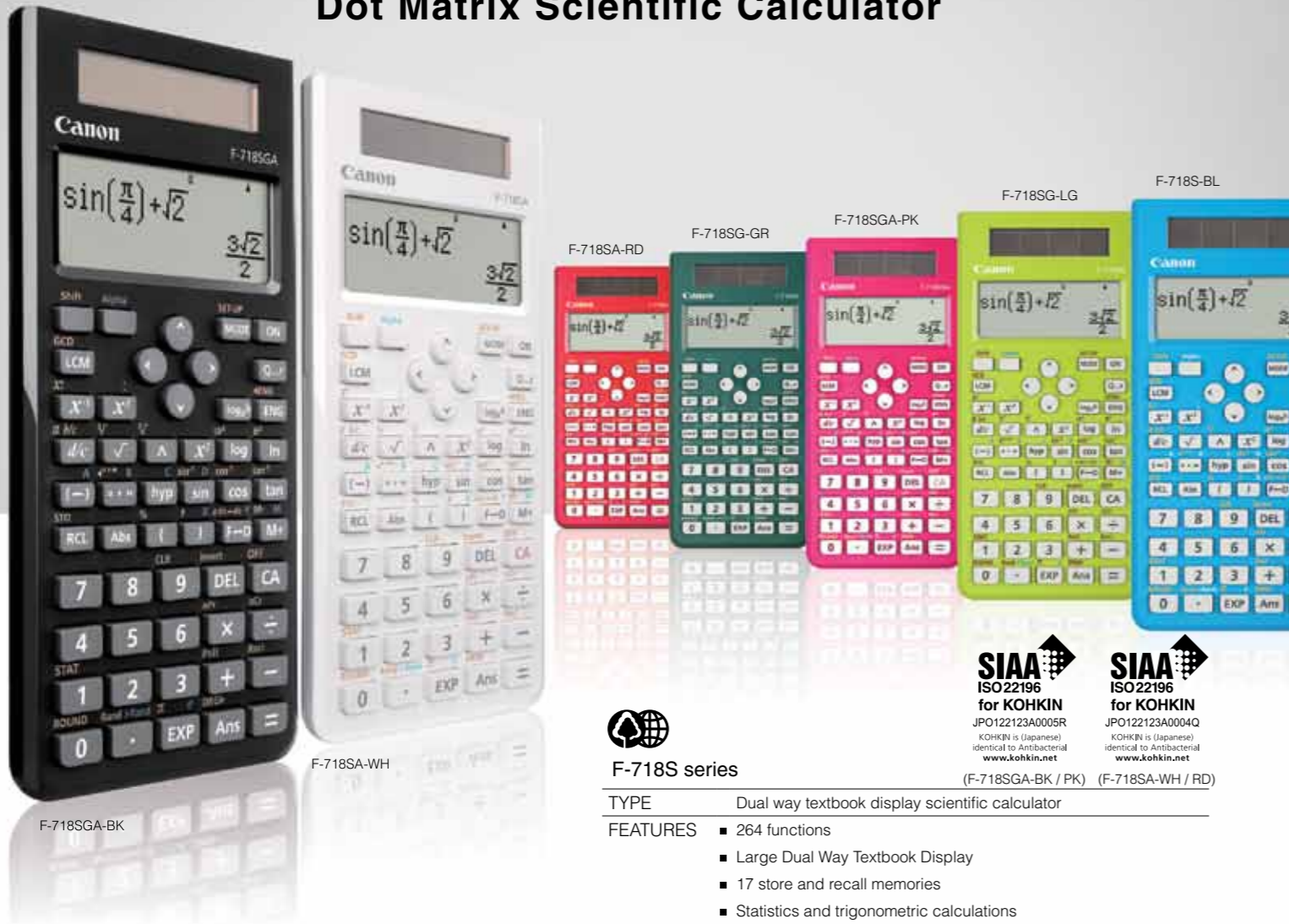
Constant Values

<p>Input 1-79 02 ←MP Mn me m m ao→ 1.674927351 x 10<sup>-27</sup></p> <p>Constant of Neutron Mass</p>	<p>Input 1-79 22 ←M M F e NA K Vm→ 96485.3365</p> <p>Faraday Constant</p>	<p>Users can refer to quick reference card for list of constant values.</p>
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## Durable Companion

<p>Battery life of more than 4 years (Operated under 300lux and used 1 hour per day)</p>	<p>Inorganic antimicrobial agent applied to the plastic key tops</p>	<p>Battery can be replaced easily by removing the battery cover</p>	<p>Protective hard case included</p>
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# Refreshing Mind by Vivid Color Dot Matrix Scientific Calculator



## F-718S series

TYPE Dual way textbook display scientific calculator

- FEATURES
- 264 functions
  - Large Dual Way Textbook Display
  - 17 store and recall memories
  - Statistics and trigonometric calculations
  - Function table calculation
  - High accuracy calculation result: internal calculation up to 18 digits**
  - Some parts are manufactured from recycled Canon product materials (except blue, red and white)
  - Antibacterial keys (except blue, green and lime green)

SIZE 171 x 86 x 18.7mm (with hard case) / 168 x 80 x 14.5mm (without hard case)

WEIGHT 128g (with hard case) / 95g (without hard case)



## F-715SG Series

TYPE 2-line display scientific calculator

- FEATURES
- 250 functions
  - 10 digits mantissa + 2 digits exponent display
  - 17 store and recall memories
  - Undo or Copy function for easy input or edition**
  - Statistics and trigonometric calculations
  - LCM, GCD and quotient remainder calculations
  - Some parts are manufactured from recycled Canon product materials

SIZE 168 x 86.3 x 17.8mm (with hard case) / 150 x 74.5 x 12mm (without hard case)

WEIGHT 124g (with hard case) / 89g (without hard case)



**NEW PRODUCT**

# Simple Solution to Complex Problems Standard 2-Line Display Scientific Calculator



## F-788SG

TYPE 2-line display scientific calculator

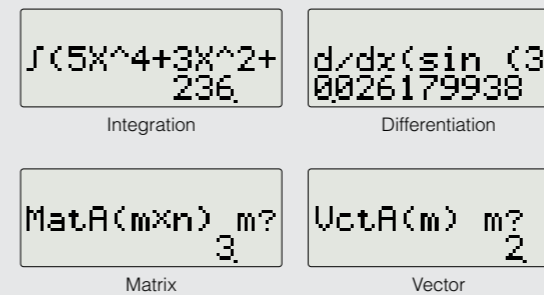
- FEATURES
- 488 functions**
  - Undo or Copy function for easy input or edition**
  - Matrix and vector calculations
  - Statistics and trigonometric calculations
  - Integration and differentiation
  - 79 scientific constants and 172 metric conversions**
  - Some parts are manufactured from recycled Canon product materials
  - Quick reference card included

SIZE 168 x 86.3 x 17.8mm (with hard case) / 165 x 80 x 14mm (without hard case)

WEIGHT 124g (with hard case) / 89g (without hard case)



Essential scientific functions suitable for high school level or above



## F-604

TYPE 1-line display scientific calculator

- FEATURES
- 142 functions
  - 10 digits mantissa + 2 digits exponent display
  - 10 store and recall memories
  - Complex number calculation
  - Fraction and trigonometric calculations
  - Base-N calculation and conversion

SIZE 152 x 78 x 18mm (with hard case) / 150 x 74.5 x 12mm (without hard case)

WEIGHT 96g (with hard case) / 73g (without hard case)



SCIENTIFIC

SCIENTIFIC



# arc DESIGN



## ARC Design

Arc Series is distinctively designed with a unique arc shape, featuring sleek, large LCD angled display, the upward curve throughout the calculator adds style to its impressive performance. With pursuit of Green concept, some parts are manufactured from recycled Canon product materials to avoid unnecessary energy waste.

The entire series caters to users in difference sectors from budget-conscious type to professional financiers. In this way, Calculation made easy with Canon.



### AS-8

TYPE	8-digit handheld
FEATURES	<ul style="list-style-type: none"> <li>360° upward folding hard cover</li> <li>Compact and palm size</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	97 x 60 x 11.4mm
WEIGHT	41g



### AS-120R

TYPE	12-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li><b>120 steps check and correct function</b></li> <li>Auto check function</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	145 x 100 x 33.5mm
WEIGHT	108g



### AS-220RTS

TYPE	12-digit desktop
FEATURES	<ul style="list-style-type: none"> <li>Extra large display</li> <li><b>120 steps check and correct function</b></li> <li>Auto check function</li> <li>Tax calculation</li> <li>Business calculation</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	150 x 134 x 36mm
WEIGHT	150g





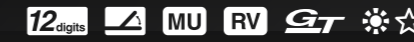
### AS-120

TYPE	12-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li>Mark up and reverse functions</li> <li>Grand total memory</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	145 x 100 x 33.5mm
WEIGHT	108g



### AS-2200

TYPE	12-digit desktop
FEATURES	<ul style="list-style-type: none"> <li>Adjustable display</li> <li>Mark up and reverse functions</li> <li>Grand total memory</li> <li>Decimal (+4320F) and rounding selections</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	198 x 140 x 34mm
WEIGHT	204g



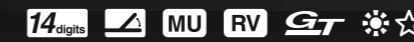
### AS-1200

TYPE	12-digit semi-desktop
FEATURES	<ul style="list-style-type: none"> <li>Mark up and reverse functions</li> <li>Grand total memory</li> <li>Decimal (+4320F) and rounding selections</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	177 x 119 x 37mm
WEIGHT	152g



### AS-2400

TYPE	14-digit desktop
FEATURES	<ul style="list-style-type: none"> <li>Adjustable display</li> <li>Mark up and reverse functions</li> <li>Grand total memory</li> <li>Decimal (+4320F) and rounding selections</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	198 x 140 x 34mm
WEIGHT	204g



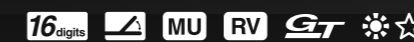
### AS-2222

TYPE	12-digit desktop
FEATURES	<ul style="list-style-type: none"> <li>Double memory function</li> <li>Mark up calculation</li> <li>Decimal (+4320F) and rounding selections</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	192 x 140 x 32mm
WEIGHT	198g



### AS-2600

TYPE	16-digit desktop
FEATURES	<ul style="list-style-type: none"> <li>Adjustable display</li> <li>Mark up and reverse functions</li> <li>Grand total memory</li> <li>Decimal (+4320F) and rounding selections</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	198 x 140 x 34mm
WEIGHT	204g





# Hi III Series Practical x Handy Office Tool



LC-210Hi III-BL

LC-210Hi III-OR

LC-210Hi III-PP



## LC-210Hi III

TYPE	8-digit handheld
FEATURES	<ul style="list-style-type: none"> <li>360° upward folding hard cover</li> <li>Compact and palm size</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	97 x 60 x 11.4mm
WEIGHT	41g



Blue

Orange

Purple



## LS-120Hi III

TYPE	12-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Mark up and reverse functions</li> <li>Grand total memory</li> <li>Some parts are manufactured from recycled Canon product materials</li> <li><b>Professional image with metallic silver casing</b></li> </ul>
SIZE	140 x 105 x 32mm
WEIGHT	122g



## TX-1210Hi III

TYPE	12-digit desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li><b>"IT touch" keyboard</b></li> <li>Tax calculation</li> <li>Mark up and reverse functions</li> <li>Grand total memory</li> <li>Decimal (+4320F) and rounding selections</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	176 x 126 x 40mm
WEIGHT	192g



## LS-88Hi III

TYPE	8-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li><b>Extra large display</b></li> <li>Portable compact size</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	143 x 89.5 x 25mm
WEIGHT	90g



## WS-1210Hi III

TYPE	12-digit desktop
FEATURES	<ul style="list-style-type: none"> <li>Adjustable display</li> <li><b>"IT touch" keyboard</b></li> <li>Tax calculation</li> <li>Mark up and reverse functions</li> <li>Grand total memory</li> <li>Decimal (+4320F) and rounding selections</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	198 x 150 x 38mm
WEIGHT	236g



**NEW**  
PRODUCT

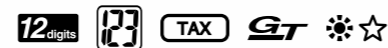
## LS-123T Integrates a Swirl of Color to the Chic Design



Blue

### LS-123T

TYPE	12-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li><b>Tax calculation</b></li> <li>Grand total memory</li> <li>Slim body design with trendy colors</li> </ul>
SIZE	145 x 104 x 25mm
WEIGHT	119g



## AS-120V Adds Vitality to Working Life



Pastel pink

### AS-120V

TYPE	12-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li>Mark up and reverse functions</li> <li>Grand total memory</li> </ul>
SIZE	145 x 100 x 33.5mm
WEIGHT	108g



COLOR SERIES

COLOR SERIES

## LS-120Hi III in a brand new glamorous look



Metallic Brown

Metallic red

Metallic green

### LS-120Hi III

TYPE	12-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Mark up and reverse functions</li> <li>Grand total memory</li> <li>Professional image with metallic color casing</li> </ul>
SIZE	140 x 105 x 32mm
WEIGHT	122g



Pastel green



Pastel blue



Pastel pink

### LS-88Hi III

TYPE	8-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li>Extra large display</li> <li>Portable compact size</li> </ul>
SIZE	143 x 89.5 x 25mm
WEIGHT	90g



Red



Orange



Green



Blue

### LS-270V II

TYPE	8-digit handheld
FEATURES	<ul style="list-style-type: none"> <li>Extra large display</li> <li>Mark up calculation</li> </ul>
SIZE	102 x 61 x 10mm
WEIGHT	37g



## 7 STEPS To Canon Recycled Material Calculators

Our green calculators are manufactured to the highest standards using recycled Canon product materials.

This supports sustainability and helps to preserve finite natural resources.



LS-120TSG

TYPE	12-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li>Tax calculation</li> <li>Business calculation</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>

SIZE	140 x 105 x 32mm
WEIGHT	127g



HS-20TG

TYPE	12-digit semi-desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Tax calculation</li> <li>Grand total memory</li> <li>Decimal (+43210F) and rounding selections</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>

SIZE	164 x 105 x 33mm
WEIGHT	152g



LS-63TG

TYPE	8-digit handheld
FEATURES	<ul style="list-style-type: none"> <li>Extra large display</li> <li>Tax calculation</li> <li>Wallet case included</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>

SIZE	103.5 x 63.5 x 9mm
WEIGHT	47g



LS-154TG

TYPE	12-digit handheld
FEATURES	<ul style="list-style-type: none"> <li>Extra large display</li> <li>Tax calculation</li> <li>Hard cover included</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>

SIZE	122 x 78 x 14mm (with hard cover closed) 122 x 78 x 10mm (with hard cover opened)
WEIGHT	92g



HS-1000TG

TYPE	10-digit desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Tax calculation</li> <li>Grand total memory</li> <li>Decimal (+43210F) and rounding selections</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>

SIZE	170 x 118 x 35mm
WEIGHT	172g



TS-1200TG

TYPE	12-digit desktop
FEATURES	<ul style="list-style-type: none"> <li>Large adjustable display</li> <li>Tax calculation</li> <li>Grand total memory</li> <li>Decimal (+43210F) and rounding selections</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>

SIZE	188 x 133 x 29mm
WEIGHT	241g



# Dazzling Variety of Colors, Style & Functionality

## Calculation Made Easy with Canon



**LS-88L**

TYPE	8-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Portable compact size</li> </ul>
SIZE	139 x 90 x 28mm
WEIGHT	83g



LS-82Z



LS-102Z

**LS-82Z / LS-102Z**

TYPE	8-digit mini-mini desktop 10-digit mini-mini desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Portable compact size</li> <li>Large plastic key tops</li> </ul>
SIZE	111 x 88 x 32mm
WEIGHT	64g



**LS-101H**

TYPE	10-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Large plastic key tops</li> </ul>
SIZE	132 x 106 x 31mm
WEIGHT	100g



**LS-120RS**

TYPE	12-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li>100 steps Check &amp; Correct function</li> <li>Business calculation</li> </ul>
SIZE	135 x 103 x 32mm
WEIGHT	102g



NEW PRODUCT

**LC-100T**

TYPE	10-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Tax calculation</li> <li>Grand total memory</li> <li>Battery power only with Power OFF switch</li> </ul>
SIZE	118.5 x 83 x 20.5mm
WEIGHT	74g



NEW PRODUCT

**LC-120T**

TYPE	12-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Tax calculation</li> <li>Battery power only with Power OFF switch</li> <li><b>Slim body design with epic design</b></li> </ul>
SIZE	145 x 104 x 25mm
WEIGHT	119g



**LS-1200T**

TYPE	12-digit semi-desktop
FEATURES	<ul style="list-style-type: none"> <li>Large internal angled display</li> <li>Tax calculation</li> <li><b>Unique design with glossy surface</b></li> </ul>
SIZE	149 x 96.5 x 12.5mm
WEIGHT	97.5g



**LS-100TS**

TYPE	10-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Tax calculation</li> <li>Business calculation</li> <li>Professional image with metallic silver casing</li> </ul>
SIZE	135 x 103 x 32mm
WEIGHT	102g



HS-1200RS

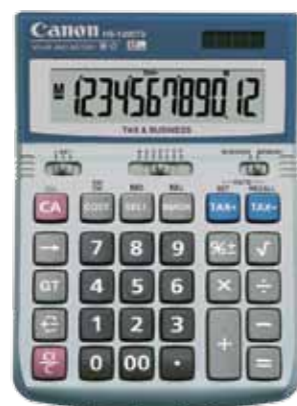


HS-1200RS-GD

**HS-1200RS**

TYPE	12-digit desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>100 steps Check &amp; Correct function</li> <li>Business calculation</li> <li>Decimal (+43210F) and rounding selections</li> <li>Professional image with silver metallic casing</li> </ul>
SIZE	174 x 123 x 38mm
WEIGHT	170g





### HS-1200TS

TYPE	12-digit desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Tax calculation</li> <li>Business calculation</li> <li>Decimal (+43210F) and rounding selections</li> <li>Professional image with silver metallic casing</li> </ul>
SIZE	174 x 123 x 38mm
WEIGHT	170g



### TS-120TS

TYPE	12-digit semi-desktop
FEATURES	<ul style="list-style-type: none"> <li>Large adjustable display</li> <li>Tax calculation</li> <li>Business calculation</li> <li>Decimal (+43210F) and rounding selections</li> </ul>
SIZE	163 x 108 x 28mm
WEIGHT	168g



### WS-112H

TYPE	12-digit mini desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Wide keyboard</li> <li>Mark up calculation</li> <li>Grand total memory</li> </ul>
SIZE	148 x 109 x 30.5mm
WEIGHT	110g



### WS-1212H

TYPE	12-digit desktop
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Wide keyboard</li> <li>Retractable stand</li> <li>Mark up and grand total functions</li> <li>Decimal (+43210F) and rounding selections</li> </ul>
SIZE	173.5 x 131 x 34.7mm
WEIGHT	164g



### WS-1610H

TYPE	16-digit desktop
FEATURES	<ul style="list-style-type: none"> <li>Large adjustable display</li> <li>"IT touch" keyboard</li> <li>Mark up and grand total functions</li> <li>Decimal (+4320F) and rounding selections</li> </ul>
SIZE	197 x 152 x 30mm
WEIGHT	224g



WS-240TC



WS-260TC

### WS-220TC / WS-240TC / WS-260TC

TYPE	12-digit desktop (for WS-220TC) 14-digit desktop (for WS-240TC) 16-digit desktop (for WS-260TC)
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Tax calculation</li> <li>Currency conversion function</li> <li>Decimal (+43210F) and rounding selections</li> </ul>
SIZE	145 x 145 x 35mm
WEIGHT	165g



WS-220TC



WS-1410T



WS-1610T

### WS-1210T / WS-1410T / WS-1610T

TYPE	12-digit desktop (for WS-1210T) 14-digit desktop (for WS-1410T) 16-digit desktop (for WS-1610T)
FEATURES	<ul style="list-style-type: none"> <li>Adjustable display</li> <li>"IT touch" keyboard</li> <li>Tax calculation</li> <li>Decimal (+4320F) and rounding selections</li> </ul>
SIZE	198 x 150 x 38mm
WEIGHT	238g



WS-1210T



WS-2224



WS-2226

### WS-2222 / WS-2224 / WS-2226

TYPE	12-digit desktop (for WS-2222) 14-digit desktop (for WS-2224) 16-digit desktop (for WS-2226)
FEATURES	<ul style="list-style-type: none"> <li>Double memory function</li> <li>Mark up calculation</li> <li>Decimal (+43210F) and rounding selections</li> <li>Spacious keyboard with large plastic key tops</li> </ul>
SIZE	192 x 143 x 37mm
WEIGHT	187g



WS-2222





## Heavy Duty Desktop Calculator Ideal for Professionals

### BS-1200TS / KS-1200TS

TYPE 12-digit desktop (BS-1200TS) / 12-digit semi-desktop (KS-1200TS)

- FEATURES
- ◆ **Extra large adjustable display - free angle up to 70° (BS-1200TS only)**
  - ◆ **Highly durable double injection keys**
  - Silent input technology
  - Metal slide switches and cosmetic plate casing
  - Non slippery rubber at side and back for stable use in palm or on desk (KS-1200TS only)
  - Tax calculation
  - Business calculation

SIZE 187 x 129 x 29mm (BS-1200TS) / 172 x 107 x 24mm (KS-1200TS)

WEIGHT 238g (BS-1200TS) / 183g (KS-1200TS)



BS-1200TS

KS-1200TS



#### FEATURE HIGHLIGHT



1. Keytops are double injection molded which ensure durability
2. Tilt & extra large adjustable display (BS-1200TS)



### KC-30

TYPE 8-digit key chain calculator

- FEATURES
- Ideal item for gift
  - Customization is possible on lower case

SIZE 75 x 42 x 13mm

WEIGHT 28g



### LS-717H

TYPE 8-digit credit card size calculator

- FEATURES
- Gadget for customization with color variations and logo printed on upper case
  - Solar power source only
  - Pouch case included

SIZE 54.5 x 85 x 4.1mm

WEIGHT 22g



### LS-270H

TYPE 8-digit handheld

- FEATURES
- ◆ **Extra large display**
  - Mark up calculation
  - Professional image with metallic silver casing
  - Wallet case included

SIZE 102 x 61 x 10mm

WEIGHT 37g



### LS-153TS

TYPE 10-digit handheld

- FEATURES
- Large display
  - Tax calculation
  - Business calculation
  - Professional image with metallic silver casing
  - Wallet case included

SIZE 122 x 75 x 12mm

WEIGHT 69g



### LS-12TC

TYPE 12-digit handheld

- FEATURES
- Large display
  - Tax calculation
  - Currency conversion function
  - Wallet case included

SIZE 120 x 73 x 10mm

WEIGHT 56g



NEW PRODUCT

### LC-10

TYPE 10-digit credit card size handheld

- FEATURES
- Slim and flat body design
  - ◆ **Trendy gadget with strap hole for attaching own strap**
  - Touch feeling membrane keys
  - Battery power only

SIZE 90 x 50 x 5.5mm (Tentative)

WEIGHT TBC



NEW PRODUCT

### LS-12H

TYPE 12-digit handheld

- FEATURES
- Large display
  - Mark up calculation
  - ◆ **Sleek design with strap hole for attaching own strap**
  - Wallet case included

SIZE 120 x 72 x 9.5mm

WEIGHT 52.7g





## Productive Printing with Efficient Operations for Office Duties

### P1-DTSC / P23-DTSC

PRINTING TYPE	12-digit AC/DC ink roller printing calculator
PRINTING SPEED	2.0 lines/sec (P1-DTSC) 2.3 lines/sec (P23-DTSC)
PRINTING COLOR	1-color (purple) (P1-DTSC) 2-color (blue & red) (P23-DTSC)
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Tax and business calculations</li> <li>Currency conversion function</li> <li>Clock and calendar functions (P23-DTSC only)</li> <li>Decimal and rounding selections</li> <li>Low battery indicator</li> </ul>
SIZE	203 x 102 x 48mm (P1-DTSC) 235 x 155 x 55mm (P23-DTSC)
WEIGHT	336g (with AA alkaline battery x 4) (P1-DTSC) 480g (with AA alkaline battery x 4) (P23-DTSC)



P1-DTSC

P23-DTSC

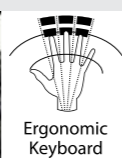


### MP37-MG / MP25-MG

PRINTING TYPE	12-digit ink ribbon printing calculator
PRINTING SPEED	4.8 lines/sec (MP37-MG) / 4.3 lines/sec (MP25-MG)
PRINTING COLOR	2-color (black & red)
FEATURES	<ul style="list-style-type: none"> <li><b>Large fluorescent tube display</b></li> <li>Main AC power ON/OFF</li> <li><b>Ergonomic keyboard</b></li> <li>Antibacterial keys for hygienic office use</li> <li><b>Durable double-injection keys</b></li> <li><b>Canola layout (MP37-MG only)</b></li> <li>Tax and business calculations</li> <li>Currency conversion function (MP37-MG only)</li> <li>Clock and calendar functions</li> <li>Grand total memory and item count functions</li> <li>With 0,00,000 keys (MP37-MG only)</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	332 x 207 x 73.5mm (MP37-MG) / 320 x 193 x 71mm (MP25-MG)
WEIGHT	1590g (MP37-MG) / 1532g (MP25-MG)



#### FEATURE HIGHLIGHT



- Ergonomic Keyboard**
- Sleeping mode for energy-saving (for MP37-MG only)
  - Ergonomic keyboard with Canola layout



MP37-MG

MP25-MG



### P1-DHV G / P23-DHV G

PRINTING TYPE	12-digit AC/DC ink roller printing calculator
PRINTING SPEED	2.0 lines/sec (P1-DHV G) 2.3 lines/sec (P23-DHV G)
PRINTING COLOR	2-color (blue & red)
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Time calculation</li> <li>Tax and business calculations</li> <li>Clock and calendar functions (P23-DHV G only)</li> <li>Decimal and rounding selections</li> <li>Low battery indicator</li> <li>Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	204 x 100 x 48mm (P1-DHV G) 217 x 162 x 56mm (P23-DHV G)
WEIGHT	332g (with AA alkaline battery x 4) (P1-DHV G) 558g (with AA alkaline battery x 4) (P23-DHV G)



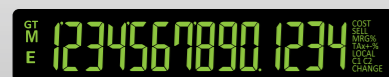
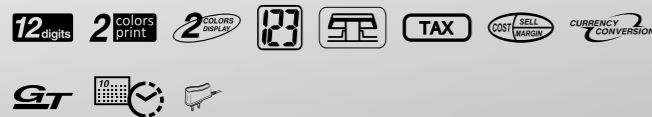
P1-DHV G

P23-DHV G



### MP120-MG

PRINTING TYPE	12-digit ink roller printing calculator
PRINTING SPEED	2.7 lines/sec
PRINTING COLOR	2-color (blue & red)
FEATURES	<ul style="list-style-type: none"> <li>◆ <b>Illuminated 2-color display (green for positive &amp; red for negative figures)</b></li> <li>■ Tax and business calculations</li> <li>■ Currency conversion function</li> <li>■ Clock and calendar functions</li> <li>■ Decimal and rounding selections</li> <li>■ Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	294 x 210 x 74mm
WEIGHT	1054g



Illuminated Display - green color for positive calculation



Illuminated Display - red color for negative calculation

### MP1200-FTS

PRINTING TYPE	12-digit ink ribbon printing calculator
PRINTING SPEED	3.7 lines/sec
PRINTING COLOR	2-color (black & red)
FEATURES	<ul style="list-style-type: none"> <li>◆ <b>Fluorescent tube display</b></li> <li>■ Tax and business calculations</li> <li>■ Mark up and grand total functions</li> <li>■ Decimal and rounding selections</li> </ul>
SIZE	325 x 221 x 79mm
WEIGHT	1700g



### MP121-MG

PRINTING TYPE	12-digit ink roller printing calculator
PRINTING SPEED	2.3 lines/sec
PRINTING COLOR	2-color (blue & red)
FEATURES	<ul style="list-style-type: none"> <li>■ Tax and business calculations</li> <li>■ Currency conversion function</li> <li>■ Clock and calendar functions</li> <li>■ Decimal and rounding selections</li> <li>■ Some parts are manufactured from recycled Canon product materials</li> </ul>
SIZE	258 x 189.2 x 60.5mm
WEIGHT	869.5g



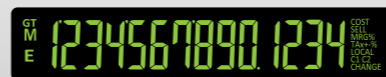
### MP1211-LTSC / MP1411-LTSC

PRINTING TYPE	12-digit ink ribbon printing calculator (MP1211-LTSC) 14-digit ink ribbon printing calculator (MP1411-LTSC)
PRINTING SPEED	4.3 lines/sec
PRINTING COLOR	2-color (black & red)
FEATURES	<ul style="list-style-type: none"> <li>◆ <b>Illuminated 2-color display (green for positive &amp; red for negative figures)</b></li> <li>■ Stable stroke keyboard</li> <li>■ Tax and business calculations</li> <li>■ Currency conversion function</li> <li>■ Cash change function</li> <li>■ Decimal and rounding selections</li> </ul>
SIZE	334 x 219 x 74.5mm
WEIGHT	1600g



MP1411-LTSC

MP1211-LTSC



Illuminated Display - green color for positive calculation



Illuminated Display - red color for negative calculation

### CT-30

TYPE	Electronic clock timer
FEATURES	<ul style="list-style-type: none"> <li>Large display</li> <li>Count up/down timer</li> <li>Memory timer setting</li> <li>Magnetic clip on the back</li> </ul>
SIZE	76 x 64 x 18mm
WEIGHT	62g

### CT-20

TYPE	Electronic clock timer
FEATURES	<ul style="list-style-type: none"> <li>Count up/down timer</li> <li>Memory timer setting</li> <li>Magnetic clip on the back</li> </ul>
SIZE	68 x 51 x 12mm
WEIGHT	45.2g



### CC-56

TYPE	8-digit alarm clock calculator
FEATURES	<ul style="list-style-type: none"> <li>16 cities world time and clock</li> <li>Calendar display function</li> <li>Alarm clock function with 15 built-in melodies</li> <li>Count up/down timer</li> <li>Currency conversion function</li> <li>Gadget for customization with engravings on metal plate cover</li> </ul>
SIZE	71.5 x 130 x 14mm (opened) 71.5 x 67.5 x 19.8mm (closed)
WEIGHT	77g



CC-56

CT-20

CT-30

## Functionality Highlights

	Basic Functions only	Business Calculation	Currency Conversion	Check and Correct	Decimal and Rounding Selection	Double Memory	PC Link	Scientific Functions	Tax calculation	Clock Timer
<b>X SERIES</b>										
X Mark I Pro										
X Mark I Card	•									
X Mark I Pointer		•								
X Mark I Mouse Slim					Dec		•			
X Mark I Keypad					Dec		•			
X Mark I		•								
X Mark I Print		•	•		•			•		
<b>SCIENTIFIC</b>										
F-789SGA								•		
F-718S series								•		
F-715SG series								•		
F-788SG								•		
F-604								•		
<b>ARC SERIES</b>										
AS-8	•									
AS-120R				•						
AS-220RTS		•		•					•	
AS-120	•									
AS-1200	•				•					
AS-2222					•	•				
AS-2200	•				•					
AS-2400	•				•					
AS-2600	•				•					
<b>HI III SERIES</b>										
LC-210Hi III	•									
LS-88Hi III	•									
LS-120Hi III	•									
TX-1210Hi III					•			•		
WS-1210Hi III					•			•		
<b>COLOR SERIES</b>										
LS-123T								•		
AS-120V	•									
LS-120Hi III color series	•									
LS-88Hi III color series	•									
LS-270V II color series	•									
<b>GREEN SERIES</b>										
LS-63TG								•		
LS-154TG								•		
LS-120TSG		•						•		
HS-20TG					•			•		
HS-1000TG					•			•		
TS-1200TG					•			•		
<b>DESKTOP</b>										
LC-100T								•		
LC-120T								•		
LS-1200T								•		
LS-88L	•									
LS-82Z	•									
LS-102Z	•									
LS-101H	•									
LS-120RS		•		•						
LS-100TS		•						•		
HS-1200RS		•		•	•					
HS-1200TS		•		•	•			•		
TS-120TS		•		•	•			•		
WS-112H	•									
WS-1212H	•				•					
WS-1610H	•				•					
WS-220TC			•		•			•		
WS-240TC			•		•			•		
WS-260TC			•		•			•		
WS-1210T					•			•		
WS-1410T					•			•		
WS-1610T					•			•		
WS-2222					•	•				
WS-2224					•	•				
WS-2226					•	•				
BS-1200TS		•			•			•		
KS-1200TS		•			•			•		

	Basic Functions only	Business Calculation	Currency Conversion	Check and Correct	Decimal and Rounding Selection	Double Memory	PC Link	Scientific Functions	Tax calculation	Clock Timer
<b>HANDHELD</b>										
KC-30	•									
LS-717H	•									
LS-270H	•									
LS-153TS		•							•	
LS-12TC			•						•	
LC-10	•									
LS-12H	•									
<b>PRINTING CALCULATOR</b>										
MP37-MG		•	•		•				•	
MP25-MG		•			•				•	
P1-DTSC		•	•		•				•	
P23-DTSC		•	•		•				•	
P1-DHV G		•			•				•	
P23-DHV G		•			•				•	
MP120-MG		•	•		•				•	
MP121-MG		•	•		•				•	
MP1200-FTS		•			•				•	
MP1211-LTSC		•	•		•				•	
MP1411-LTSC		•	•		•				•	
<b>CLOCK &amp; TIMER</b>										
CT-20										•
CT-30										•
CC-56			•							•

**TAX CALCULATION**  
Models featuring convenient tax calculation keys save you time by simplifying complex calculations. Just press the relevant keys to add or subtract predetermined tax rates at a touch.

**BUSINESS CALCULATION**  
Perform complex calculations quickly and easily with our business calculators and save time. Cost, Sell and Margin keys allow you to calculate profit margins automatically without the need of memorizing complicated formulae.

**CURRENCY CONVERSION**  
Our calculators with currency conversion enable you to make quick conversions between currencies at the push of a button. This handy function is available on selected models of printing and non-printing calculators for added convenience.

**DOUBLE MEMORY**  
Models equipped with Double Memory function enable you to work accurately on complex calculations. With 2 versatile memories, it helps to accumulate or deduct results automatically.

**SCIENTIFIC FUNCTIONS**  
Advanced models with up to 605 scientific functions and features, including matrix calculation, equation operation, statistical calculation and differentiation. Featured with new "Apps" key to recall useful functions at a touch. (for F-789SGA)

**CHECK & CORRECT**  
Our calculators with a check & correct function bring added accuracy and precision to long and complex calculations. You can move forwards or backwards through a calculation up to 120 steps and make any corrections that are required instantly. This eliminates the risk of calculation errors.

**WIRELESS PC CONNECTIVITY**  
Increase efficiency and ease by combining both your calculator and PC work in a single operation. Canon's X Mark I Mouse Slim and X Mark I Keypad allow you to send data directly to spreadsheet by simply pressing the SEND key. Direct input of data is possible with the numeric keypad function.

Specifications are subject to change without notice.

# Calculator Specifications

## X Series (P.3-10)



Type	Credit card size calculator	Red laser pointer with calculator function	Wireless calculator, keypad and mouse	Wireless calculator and keypad	Semi-Desktop	Palm size AC/DC Printing Calculator
Digits	8	8	10	10	12	12
Memory	1	1	—	1	1	1
Power source	Solar only	Battery	Battery	Dual power	Solar only	AC/DC power (AD-11 / AA battery x 4)
Battery	—	CR2032 x 1	AAA battery x 2	AAA battery x 2	—	AA battery x 4
Preset decimal	—	—	023F	023F	—	+0234F
Rounding	—	—	—	—	—	5/4 ↴
Tax calculation	—	—	—	—	—	•
Business calculation	—	•	—	—	•	•
Currency conversion	—	—	—	—	—	•
GT	—	—	—	—	•	—
%±	•	•	•	•	•	•
√	•	—	—	—	•	—
↺	•	—	—	—	•	•
→	—	—	•	•	•	—
00	—	—	•	—	•	—
Recycled plastic	—	•	•	•	•	•
Special Features	1. Aluminium lower case 2. Gadget for customization	1. Aluminium upper case 2. Gadget for customization	1200dpi with integrated bluetooth 2.0 connectivity	Radio frequency 2.4GHz connectivity	1. Aluminium lower case 2. Double injection keys 3. Gadget for customization	Backlight LCD display

\* For specification of X Mark I Pro, please refer to scientific category.

Specifications are subject to change without notice.

## Scientific (P.11-14)



No. of Functions & Features	610	605	264	250	488	142
<b>Memory</b>						
No of Store Memory	19	19	17	17	9	10
Independent Memory (M+ & M-)	•	•	•	•	•	•
Scientific Constants	79	79	—	—	79	—
Metric Units Conversion	172	172	—	—	172	—
<b>Basic Mathematics Calculations</b>						
Fractions Calculation & Decimal Conversion	•	•	•	•	•	•
Calculation Expression Direct Input	•	•	•	•	•	—
Parentheses	99	99	99	24	24	15
Square, Cube, Reciprocal	•	•	•	•	•	•
Square Root, Cube Root	•	•	•	•	•	•
Multiple Root, Power Square	•	•	•	•	•	•
Decimal Point Selection	•	•	•	•	•	•
Exponential & Logarithmic	•	•	•	•	•	•
Log <sub>a</sub> b	•	•	•	•	•	—
Absolute Value Calculation	•	•	•	•	•	—
Least Common Multiplier (LCM) & Greatest Common Divider (GCD)	•	•	•	•	—	—
Quotient Remainder (Q...r)	•	•	•	•	—	—
Sum & Product of the Input Function (Σ & Π)	•	•	—	—	—	—
Prime Factorization (Pfact)	•	•	—	—	—	—
Max & Min Value in Number Series	•	•	—	—	—	—
Modulus After Division (Mod)	•	•	—	—	—	—
Ratio Calculation	a:b = X: d a:b = c: X	—	—	—	—	—

Specifications are subject to change without notice.

## Scientific



	X Mark I Pro	F-789SGA	F-718S series	F-715SG series	F-788SG	F-604
<b>Statistics</b>						
Table-formatted Data Input & Edit	•	•	•	—	—	—
1- / 2- Variable	•	•	•	•	•	1-variable
Mean, Standard Deviation, Sum of Value	•	•	•	•	•	•
Maximum Value, Minimum Value, Median Value	•	•	only Max & Min	•	•	—
Q1 & Q3 Value	•	•	—	—	—	—
Factorials, Permutations & Combinations	•	•	•	•	•	•
Regression Analysis	•	•	•	•	•	•
Correlation Coefficient (r)	•	•	—	—	•	—
Probability Distribution Calculations	•	•	—	—	•	—
Random Number Generation (Rand)	•	•	•	•	•	•
Integer Random Number Generation (i-Rand)	•	•	•	•	•	—
<b>Trigonometry</b>						
Angles & DRG Conversions	•	•	•	•	•	•
Trigonometry & Inverse Trigonometry	•	•	•	•	•	•
Hyperbolic & Inverse Hyperbolic	•	•	•	•	•	•
Degree-Minutes-Seconds ↔ Decimal Degrees / Sexagesimal Cal.	•	•	•	•	•	•
<b>Algebra</b>						
Complex Number Calculation	•	•	—	—	•	•
SOLVE Function	•	•	—	—	•	—
CALC Function	•	•	—	—	•	—
Matrix Calculations	4 x 4 (4 memories)	4 x 4 (4 memories)	—	—	3 x 3 (3 memories)	—
Inequality Calculations (INEQ)	Quad / Cubic / Quart	—	—	—	—	—
Equation Operation	Up to Quartic & 4 unknowns	Up to Quartic & 4 unknowns	—	—	•	—
Function Table	•	•	•	—	—	—
<b>Calculus</b>						
Integration Calculation	•	•	—	—	•	—
Differential Calculation	•	•	—	—	•	—
<b>Geometry</b>						
Vector Calculations	•	•	—	—	•	—
Coordination Conversion (Rectangular ↔ Polar)	•	•	•	•	•	•
<b>Computer Maths</b>						
Base-N Calculation (Bin, Oct, Dec, Hex)	•	•	—	—	•	•
Transformation between DHBO	•	•	—	—	•	•
Logic Operation	•	•	—	—	•	—
<b>Special Features</b>						
Multiple Replay & Last Digit Correction	•	•	•	•	•	—
Undo/ Input Recovery	—	—	—	•	•	—
Internal Calculation Digits	18 digits	18 digits	18 digits	16 digits	16 digits	12 digits
APPS Key (Quick Function Key)	•	•	—	—	—	—
<b>Display</b>						
Lines				2	2	1
Upper Line Display	Textbook Display 31 x 96 dots	Textbook Display 31 x 96 dots	Textbook Display 31 x 96 dots	12	12	—
Lower Line Display				10 + 2	10 + 2	10 + 2
LCD Contrast Selection	•	•	•	—	—	—
Low Battery Indicator	•	•	•	•	—	—
Fixed decimal, Sci and Eng Notation	•	•	•	•	•	•
ENG mode	•	•	•	•	•	•
<b>Specifications</b>						
Power Source	Battery	Solar + Battery	Solar + Battery	Solar + Battery	Solar + Battery	Battery
Battery	CR2032 x 1	CR2032 x 1	CR2032 x 1	LR44 x 1	LR44 x 1	LR44 x 2
Auto-Power Off	7 min.	7 min.	7 min.	7 min.	7 min.	7 min.
Dimensions L x W x H (mm) - with hard case	—	171 x 86 x 17.3	171 x 86 x 18.7	168 x 86.3 x 17.8	168 x 86.3 x 17.8	152 x 78 x 18
Dimensions L x W x H (mm) - body only	160 x 76 x 11.3	168 x 80 x 13.1	168 x 80 x 14.5	165 x 80 x 14	165 x 80 x 14	150 x 74.5 x 11.5
Weight (g) - with hard case	—	120	128	124	124	96
Weight (g) - body only	110.5	88	95	89	89	73
Casing Material	Recycled Plastic	Recycled Plastic & Antibacterial	S: Plastic SG: Recycled Plastic SA: Antibacterial SGA: Recycled Plastic & Antibacterial	Recycled Plastic	Recycled Plastic	Plastic
Hard Cover	•	•	•	•	•	•

Specifications are subject to change without notice.

# Calculator Specifications

## Arc Series (P.15-18)



	AS-8	AS-120R	AS-220RTS	AS-120	AS-1200	AS-2222	AS-2200	AS-2400	AS-2600
Digits	8	12	12	12	12	12	12	14	16
Memory	1	1	1	1	1	2	1	1	1
Power source	Battery	Dual power	Dual power	Dual power	Dual power	Dual power	Dual power	Dual power	Dual power
Battery	LR1130 x 1	LR44 x 1	LR44 x 1	LR44 x 1	LR44 x 1	LR44 x 1	LR44 x 1	LR44 x 1	LR44 x 1
Decimal Selection	—	—	—	—	+4320F	+4320F	+4320F	+4320F	+4320F
Rounding	—	—	—	—	↕ 5/4 ↘	↕ 5/4 ↘	↕ 5/4 ↘	↕ 5/4 ↘	↕ 5/4 ↘
Tax calculation	—	—	•	—	—	—	—	—	—
Business calculation	—	—	•	—	—	—	—	—	—
Check & correct	—	•	•	—	—	—	—	—	—
GT	—	—	—	•	•	—	•	•	•
MU	—	—	—	•	•	•	•	•	•
RV	—	—	—	•	•	—	•	•	•
%±	•	•	•	•	•	•	•	•	•
√	•	•	—	•	•	•	•	•	•
↻	—	—	•	•	•	•	•	•	•
→	—	•	•	•	•	•	•	•	•
00	—	•	•	•	•	•	•	•	000
Recycled plastic	•	•	•	•	•	•	•	•	•
Special Features	360° upward folding hard cover	Auto check function	Auto check function	—	—	Double independent memory	Adjustable display	Adjustable display	Adjustable display

Specifications are subject to change without notice.

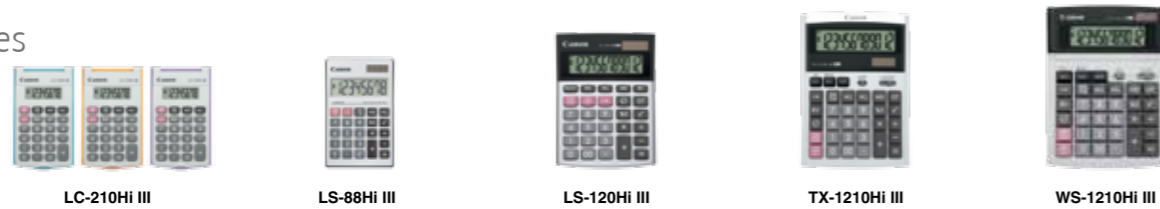
## Color Series (P.21-24)



	LS-123T	AS-120V	LS-120Hi III Color	LS-88Hi III Color	LS-270VII
Digits	12	12	12	8	8
Memory	1	1	1	1	1
Power source	Dual power	Dual power	Dual power	Dual power	Dual power
Battery	LR44 x 1	LR44 x 1	LR44 x 1	LR1130 x 1	LR1130 x 1
Tax calculation	•	—	—	—	—
GT	•	•	•	—	—
MU	—	•	•	—	•
RV	—	•	•	—	—
%±	•	•	•	•	•
√	•	•	•	•	•
↻	•	•	•	•	•
→	•	•	•	—	—
00	•	•	•	—	—
Special Features	1. Large tilt display 2. Slim body design	—	Metallic color body	Extra large display	Extra large display

Specifications are subject to change without notice.

## Hi III Series (P.19-20)



	LC-210Hi III	LS-88Hi III	LS-120Hi III	TX-1210Hi III	WS-1210Hi III
Digits	8	8	12	12	12
Memory	1	1	1	1	1
Power source	Battery	Dual power	Dual power	Dual power	Dual power
Battery	LR1130 x 1	LR1130 x 1	LR44 x 1	LR44 x 1	LR44 x 1
Decimal Selection	—	—	—	+4320F	+4320F
Rounding	—	—	—	↕ 5/4 ↘	↕ 5/4 ↘
Tax calculation	—	—	—	•	•
GT	—	—	•	•	•
MU	—	—	•	•	•
RV	—	—	•	•	•
%±	•	•	•	•	•
√	•	•	•	•	•
↻	—	•	•	•	•
→	—	—	•	•	•
00	—	—	•	•	•
Recycled plastic	•	•	•	•	•
Special Features	360° upward folding hard cover	Extra large display	Metallic silver body	IT Touch keys	1. Adjustable display 2. IT touch keys

Specifications are subject to change without notice.

## Green Series (P.25-26)



	LS-63TG	LS-154TG	LS-120TSG	HS-20TG	HS-1000TG	TS-1200TG
Digits	8	12	12	12	10	12
Memory	1	1	1	1	1	1
Power source	Dual power	Dual power	Dual power	Dual power	Dual power	Dual power
Battery	CR2016 x 1	CR2016 x 1	CR2032 x 1	CR2032 x 1	CR2032 x 1	CR2032 x 1
Decimal Selection	—	—	—	+43210F	+43210F	+43210F
Rounding	—	—	—	5/4 ↘	5/4 ↘	5/4 ↘
Tax calculation	•	•	•	•	•	•
Business calculation	—	—	•	—	—	—
GT	—	—	—	•	•	•
%±	•	•	•	•	•	•
√	•	•	—	•	•	•
↻	•	•	•	•	•	•
→	—	—	•	•	•	•
00	—	—	—	•	•	•
Recycled plastic	•	•	•	•	•	•
Special Features	Extra large display	Hard cover included	Metallic silver body	Metallic silver body	—	Adjustable display

Specifications are subject to change without notice.

# Calculator Specifications

## Desktop (P.27-28)



	LC-100T	LC-120T	LS-1200T	LS-88L	LS-82Z	LS-102Z	LS-101H
Digits	10	12	12	8	8	10	10
Memory	1	1	1	1	1	1	1
Power source	Battery	Battery	Dual power	Dual power	Dual power	Dual power	Dual power
Battery	LR44 x 1	LR44 x 1	CR2016 x 1	LR1130 x 1	LR1130 x 1	LR1130 x 1	LR1130 x 1
Tax calculation	•	•	•	—	—	—	—
GT	•	—	—	—	—	—	—
%±	•	•	•	•	•	•	•
√	•	•	—	•	•	•	—
↺	—	•	•	•	—	—	•
→	•	•	•	—	—	—	•
00	•	•	•	—	—	—	•
Special Features	—	1. Large tilt display 2. Slim body design	Large internal angled display	—	—	—	—

Specifications are subject to change without notice.

## (P.29-30)



	WS-1610H	WS-220TC	WS-240TC	WS-260TC	WS-1210T	WS-1410T
Digits	16	12	14	16	12	14
Memory	1	1	1	1	1	1
Power source	Dual power	Dual power	Dual power	Dual power	Dual power	Dual power
Battery	LR1130 x 1	LR44 x 1	LR44 x 1	LR44 x 1	CR2032 x 1	CR2032 x 1
Decimal Selection	+4320F	+43210F	+43210F	+43210F	+4320F	+4320F
Rounding	↕ 5/4 ↕	↕ 5/4 ↕	↕ 5/4 ↕	↕ 5/4 ↕	↕ 5/4 ↕	↕ 5/4 ↕
Tax calculation	—	•	•	•	•	•
Currency conversion	—	•	•	•	—	—
GT	•	—	—	—	•	•
MU	•	—	—	—	•	•
RV	—	—	—	—	•	•
%±	•	•	•	•	•	•
√	•	•	•	•	•	•
↺	•	•	—	—	•	•
→	•	•	•	•	•	•
00	00/000	—	•	•	•	•
Special Features	Adjustable display	Wide keyboard	Wide keyboard	Wide keyboard	1. Adjustable display 2. IT touch keys	1. Adjustable display 2. IT touch keys

Specifications are subject to change without notice.

## (P.28-29)



	LS-120RS	LS-100TS	HS-1200RS	HS-1200TS	TS-120TS	WS-112H	WS-1212H
Digits	12	10	12	12	12	12	12
Memory	1	1	1	1	1	1	1
Power source	Dual power	Dual power	Dual power	Dual power	Dual power	Dual power	Dual power
Battery	LR44 x 1	LR44 x 1	LR44 x 1	LR44 x 1	CR2032 x 1	CR2032 x 1	CR2032 x 1
Decimal Selection	—	—	+43210F	+43210F	+43210F	—	+43210F
Rounding	—	—	↕ 5/4 ↕	↕ 5/4 ↕	5/4 ↕	—	↕ 5/4 ↕
Tax calculation	—	•	—	•	•	—	—
Business calculation	•	•	•	•	•	—	—
Check & correct	•	—	•	—	—	—	—
GT	—	—	—	—	—	•	•
MU	—	—	—	—	—	•	•
%±	•	•	•	•	•	•	•
√	—	•	•	•	—	•	•
↺	•	•	•	•	•	•	•
→	•	•	•	•	•	•	•
00	—	—	•	•	•	•	•
Special Features	—	Metallic silver body	Metallic silver body	Metallic silver body	Adjustable display	Wide keyboard	Retractable stand

Specifications are subject to change without notice.

## (P.30-31)



	WS-1610T	WS-2222	WS-2224	WS-2226	BS-1200TS	KS-1200TS
Digits	16	12	14	16	12	12
Memory	1	2	2	2	1	1
Power source	Dual power	Dual power	Dual power	Dual power	Dual power	Dual power
Battery	CR2032 x 1	LR44 x 1	LR44 x 1	LR44 x 1	CR2032 x 1	CR2032 x 1
Decimal Selection	+4320F	+43210F	+43210F	+43210F	+43210F	+43210F
Rounding	↕ 5/4 ↕	↕ 5/4 ↕	↕ 5/4 ↕	↕ 5/4 ↕	↕ 5/4 ↕	↕ 5/4 ↕
Tax calculation	•	—	—	—	•	•
Business calculation	—	—	—	—	•	•
GT	•	—	—	—	•	•
MU	•	•	•	•	—	—
RV	•	—	—	—	—	—
%±	•	•	•	•	•	•
√	•	•	•	•	•	•
↺	•	•	•	•	•	•
→	•	•	•	•	•	•
00	•	•	•	•	•	•
Special Features	1. Adjustable display 2. IT touch keys	Double independent memory	Double independent memory	Double independent memory	1. Double Injection keys 2. Adjustable display	1. Double Injection keys 2. Non-slippery rubber

Specifications are subject to change without notice.

# Calculator Specifications

## Handheld (P.32)



**KC-30**      **LS-717H**      **LS-270H**      **LS-153TS**      **LS-12TC**      **LC-10**      **LS-12H**

	KC-30	LS-717H	LS-270H	LS-153TS	LS-12TC	LC-10	LS-12H
Digits	8	8	8	10	12	10	12
Memory	—	1	1	1	1	1	1
Power source	Battery	Solar	Dual power	Dual power	Dual power	Battery	Dual power
Battery	LR44 x 1	—	LR1130 x 1	LR1130 x 1	CR2016 x 1	CR2016 x 1	LR1130 x 1
Tax calculation	—	—	—	•	•	—	—
Business calculation	—	—	—	•	—	—	—
Currency conversion	—	—	—	—	•	—	—
GT	—	—	—	—	•	—	—
MU	—	—	•	—	—	—	•
%±	•	•	•	•	•	—	•
√	—	•	•	•	•	—	•
↺	—	•	•	•	•	•	•
→	—	—	—	•	•	—	•
00	—	—	—	—	•	—	•
Wallet Case	—	—	•	•	•	—	•
Special Features	Keychain calculator	Credit card size calculator	Extra large display	Metallic silver body	—	1. Credit card size calculator 2. Strap attachable	Strap attachable

Specifications are subject to change without notice.

## Clock & Timer (P.37)



**CT-20**



**CT-30**



**CC-56**

Type	Clock Timer	Clock Timer	Clock Calculator
Battery	LR44 X 1	LR44 X 1	CR2032 X 1
Clock Display	Digital 12/24 hours (AM/PM)	Digital 12/24 hours (AM/PM)	Selectable 12/24 hours (AM/PM)
Alarm Clock	—	—	•
Count Down Timer	•	•	•
World Time	—	—	16 cities
Optional keytone	—	—	•
Currency Conversion	—	—	•
Calendar	—	—	•
Calculator	—	—	8-digit
Special Features	Magnetic clip	Magnetic clip	Built-in 15 melodies

Specifications are subject to change without notice.

## Printing Calculators (P.33-36)



**P1-DTSC**    **P23-DTSC**    **P1-DHV G**    **P23-DHV G**    **MP120-MG**    **MP121-MG**    **MP1200-FTS**    **MP1211-LTSC**    **MP1411-LTSC**    **MP25-MG**    **MP37-MG**

	P1-DTSC	P23-DTSC	P1-DHV G	P23-DHV G	MP120-MG	MP121-MG	MP1200-FTS	MP1211-LTSC	MP1411-LTSC	MP25-MG	MP37-MG
Digits	12	12	12	12	12	12	12	12	14	12	12
Display Type	LCD	LCD	LCD	LCD	2-color LCD	LCD	Fluorescent Tube	2-color LCD	2-color LCD	Fluorescent Tube	Fluorescent Tube
Power source	AC/DC (AD-11 / AA battery x 4)	AC/DC (AD-11 / AA battery x 4)	AC/DC (AD-11 / AA battery x 4)	AC/DC (AD-11 / AA battery x 4)	AC	AC	AC	AC	AC	AC (detachable power cord)	AC (detachable power cord)
Back-up battery	CR2032 x 1	CR2032 x 1	CR2032 x 1	CR2032 x 1	CR2032 x 1	CR2032 x 1	—	CR2032 x 1	CR2032 x 1	CR2032 x 1	CR2032 x 1
Printer Type	Ink roller	Ink roller	Ink roller	Ink roller	Ink roller	Ink roller	Ink ribbon	Ink ribbon	Ink ribbon	Ink ribbon	Ink ribbon
Printing Color	1	2	2	2	2	2	2	2	2	2	2
Printing Speed (lines/sec)	2	2.3	2	2.3	2.7	2.3	3.7	4.3	4.3	4.3	4.8
IT Key Touch	—	—	—	—	•	—	—	•	•	•	•
Decimal Selection	+0234F	+023F	+0234F	+023F	+0234F	+1234F	+02346F	+02346F	+02346F	+02346F	+02346F
Rounding	5/4 ↘	↕ 5/4 ↘	5/4 ↘	↕ 5/4 ↘	↕ 5/4 ↘	↕ 5/4 ↘	↕ 5/4 ↘	↕ 5/4 ↘	↕ 5/4 ↘	↕ 5/4 ↘	↕ 5/4 ↘
Tax calculation	•	•	•	•	•	•	•	•	•	•	•
Business calculation	•	•	•	•	•	•	•	•	•	•	•
Currency conversion	•	•	—	—	•	•	—	•	•	—	•
Clock & Calendar	—	•	—	•	•	•	—	—	—	•	•
Time Calculation	—	—	•	•	—	—	—	—	—	—	—
Cash Change Function	—	—	—	—	—	—	—	•	•	—	—
GT	—	—	—	—	•	•	•	•	•	•	•
Item Count	—	•	—	—	•	•	•	•	•	•	•
%±	•	•	•	•	•	•	•	•	•	•	•
*	—	•	—	•	•	•	•	•	•	•	•
# / √	#	•	#	•	•	•	•	•	•	•	•
↺	•	•	•	•	—	—	•	—	—	•	—
→	—	•	—	•	•	•	•	•	•	•	•
0/00/000	0	0/00	0	0/00	0/000	0/00/000	0/00	0/00/000	0/00/000	0/00	0/00/000
Recycled plastic	—	—	•	•	•	•	—	—	—	•	•
Ink Cartridge	CP-16 II	CP-13 II	CP-13 II	CP-13 II	CP-13 II	CP-13 II	EP-102	EP-102	EP-102	EP-102	EP-102
Roll Paper	MP-57	MP-57	MP-57	MP-57	MP-57	MP-57	MP-57	MP-57	MP-57	MP-57	MP-57
Special Features	—	—	Low battery Indicator	Low battery Indicator	—	—	—	—	—	Antibacterial double injection keys	1. Antibacterial double injection keys 2. Canola key layout

Specifications are subject to change without notice.



# Calculation Examples

Business calculation (KS-1200TS as example)

Calculation	Operation	Display
E.g.1 Calculating Cost		
Selling Price: \$500	Step 1: <b>5 0 0</b> ▶ <b>SELL</b>	<b>SELL 500</b>
Profit Margin: 30%	Step 2: <b>3 0</b> ▶ <b>MARGIN</b>	<b>MARGIN 30</b>
Cost = ?		<b>COST 350</b>
E.g.2 Calculating Selling Price		
Cost: \$200	Step 1: <b>2 0 0</b> ▶ <b>COST</b>	<b>COST 200</b>
Profit Margin: 20%	Step 2: <b>2 0</b> ▶ <b>MARGIN</b>	<b>MARGIN 20</b>
Selling Price = ?		<b>SELL 250</b>
E.g.3 Calculating Profit Margin		
Cost: \$200	Step 1: <b>2 0 0</b> ▶ <b>COST</b>	<b>COST 200</b>
Selling Price: \$500	Step 2: <b>5 0 0</b> ▶ <b>SELL</b>	<b>SELL 500</b>
Profit Margin = ?		<b>MARGIN 60</b>

Double memory calculation (AS-2222 as example)

Calculation	Operation	Display
Memory I		
456 x 32 = 14,592	<b>4 5 6</b> × <b>3 2</b> ▶ <b>M±</b>	<b>MI 14592</b>
-) 243 x 12 = 2,916	<b>2 4 3</b> × <b>1 2</b> ▶ <b>M±</b>	<b>MI 2916</b>
11,676	Recall memory <b>RM</b>	<b>MI 11676</b>
Memory II		
14,377 + 78 = 14,455	<b>1 4 3 7 7</b> + <b>7 8</b> ▶ <b>M±II</b>	<b>MI 14455</b>
-) 7,356 - 654 = 6,702	<b>7 3 5 6</b> - <b>6 5 4</b> ▶ <b>M±II</b>	<b>MI 6702</b>
7,753	Recall memory <b>RMICMII</b>	<b>MI 7753</b>
Memory I + Memory II	<b>RM</b> + <b>RMICMII</b>	<b>19429</b>

Currency conversion calculation (MP1211-LTSC as example)

Setting:

Calculation	Operation	Print Out
Storing the Currency Rate	<b>CE</b> <b>C</b> (press for 1 sec)	0. C
<b>1.45</b> (US\$)	<b>1 . 4 5</b> ▶ <b>C1</b>	1.45 C1
<b>1</b> (Euro)		
E.g. Converting Currency		
Euro 78 = US ?	<b>7 8</b> ▶ <b>LOCAL</b>	78. L
	<b>C1</b>	1.45 C1
		113.10 *
US\$ 48 = Euro ?	<b>4 8</b> ▶ <b>C1</b>	48. C1
		33.10 *

Tax calculation (TX-1210Hi III as example)

Calculation	Operation	Display
Storing Tax Rate		
Tax Rate: 10%	<b>1 0</b> ▶ <b>RATE</b> <b>SET</b>	<b>TAX+ 10</b>
E.g. Calculating Tax		
Taxable Income: \$100	<b>1 0 0</b> ▶ <b>TAX+</b>	
After Tax Income = ?		<b>TAX+ 110</b>
E.g. Calculating Tax		
After Tax Income: 110	<b>1 1 0</b> ▶ <b>TAX-</b>	
Taxable Income = ?		<b>TAX- 100</b>

Replay and correct (HS-1200RS as example)

Calculation	Operation	Display
Replay Function		
(500 + 300 - 60) x 5 = 3,700	<b>CA</b>	<b>0</b>
	<b>5 0 0 + 3 0 0 - 6 0</b> × <b>5</b> =	<b>3700</b>
	▼	<b>1 CHECK 500</b>
	▼	<b>2 CHECK 300</b>
	▼	<b>3 CHECK 60</b>
	▼	<b>4 CHECK 5</b>
	▼	<b>5 CHECK 3700</b>
Correct Function		
(500 + 300 - 60) x 5 = 3,700	<b>5 0 0 + 3 0 0 - 6 0</b> × <b>5</b> =	<b>3700</b>
	▼ 2 times	<b>2 CHECK 300</b>
Correct to: -200	<b>CORRECT</b>	<b>2 CHECK 300</b>
	▼	<b>2 CHECK 200</b>
500 - 200 - 60) x 5 = 1,200	<b>- 2 0 0</b> ▶ <b>CORRECT</b>	<b>3 CHECK 60</b>
	▼	<b>4 CHECK 5</b>
	▼	<b>5 CHECK 1200</b>

Time calculation (P23-DHV G as example)

Setting:

Calculation	Operation	Print Out
Calculating wages for a part-time job		
10:30 to 22:15, US\$7 per hour		
10:30 to 22:15 (24 hour mode)	<b>TIME CAL</b> 2 times	
	<b>1 0 3 0</b> ▶ <b>~</b>	10 - 30
	<b>2 2 1 5</b> =	22 - 15
Working Hour = ?		11 - 45 =
US\$7 per hour	<b>×</b> <b>7</b>	11.75 X
	<b>=</b>	7. =
Amount Due = ?		82.25 *

## ALGEBRAIC OPERATING SYSTEM

Algebraic expressions can be entered just as they are written. A predetermined priority level exists which first calculates high priority then low priority operators e.g.: Multiplication and division completed prior to addition and subtraction  
i.e.  $4 + 6 \times 4 = 28$

## ADDING MACHINE OPERATING SYSTEM

Also described as Business Machine Logic. Numbers entered need to be denoted whether they are positive (debits) or negative (credits). In general it is used with the printing calculators.

## OPERATION KEY SWITCHES/ BUTTONS

**Decimal Point Selection** 

### Fixed

Results are calculated to a pre-selected number of decimal places  
e.g. 2, 3 or 4, etc in accordance with the rounding switch.

### Floating (F)

Results are displayed and printed with no limit on decimal places except the capacity of the display.

### Add Mode (+)

Decimal point placed before last two digits on display and printout. No decimal point entry is needed, therefore suitable for currency cash calculations.

**Rounding Selection** 

### Rounding off (5/4)


Result of multiplication and division rounded to a whole number  
e.g.  $2.4 = 2$  and  $2.5 = 3$

### Rounding down (5/4→)

Result reduced to nearest whole number  
e.g.  $2.6 = 2$

### Rounding up (←5/4)

Result increased to nearest whole number  
e.g.  $2.2 = 3$

**Item Count** 

### Item (OFF / n+ / n+/-)

Each addition and subtraction entry is counted and printed on the left side of the paper roll.

## FUNCTION KEY BUTTONS

### BUSINESS CALCULATION

 /  / 

Performs cost, selling price and profit margin calculation. Enter to obtain the balance value item.

### TAX CALCULATION

 / 

Adds or subtracts the predetermined sales tax rate (%) to/from the calculation.



Set switch to "RATE" for setting or recalling the TAX rate.

### CURRENCY CONVERSION CALCULATION

 / 

Perform currency conversion if the corresponding rate is registered.

### REPLAY / CHECK & CORRECT CALCULATION

 /  and 

Reviews the steps of the calculation

 / 

Replay key allows for reviewing the previous or next calculation step.



Correct key allows for correcting calculation contents in the Replay mode.



Automatically scrolls through the calculation step from beginning to the end.

### TIME CALCULATION

 / 

Used to calculate the amount of time or duration of activities, such as wages hours and cost estimation.



Used to switch between 12 or 24 hour at time calculation mode.



Used to switch between AM or PM in time calculation.

### BASIC FUNCTION KEYS



Performs standard percentages along with add on or discount calculations.



Mark up-selling price calculated based on the cost and profit margin percentage.



Reverse key automatically swaps the operator and operand of calculation  
e.g. " $8 \div 4$ " change to " $4 \div 8$ ".



When the calculations are performed with the GT switch set to "ON", the totals are accumulated in the grand total memory.



Used for changing the sign (+ or -) of the displayed numbers.

### CANCEL KEYS



Clear indication key cancels the displayed numbers and corrects an entry as a whole.



Clear entry key cancels an incorrect entry.

 / 



Clear key cancels an incorrect entry or command and exercise must be restarted.

 / 

Shift key moves displayed numbers to the right thereby deleting numbers each time the key is pressed.

### INDEPENDENT MEMORY KEYS

*Accumulating / storing in memory*

 / 

Results of multiplication and division automatically added to the memory. Also adds a number to the memory.

 / 

Results of multiplication and division automatically subtracted from the memory. Also subtracts a number from the memory.

### DOUBLE MEMORY KEYS

*Accumulating / storing in memory I / II*

 / 

Refer A & memory + I / II

 / 

Refer B & memory + I / II

### RECALLING / CLEARING MEMORY KEYS



Recalling the contents of the memory.



Clearing the contents of the memory.

### PRINTING CALCULATOR FUNCTION KEYS



Used for calculating the change amount, it performs accurate and fast cash change calculation.



Non-add key allows the printing of dates, reference numbers etc. to be printed on left side of the paper roll without affecting the calculation.



Sub total key allows intermediate result of a calculation to be printed on the left side of paper roll.

 / 

Used for specifying the number of digits after the decimal point of the calculation result.

 /  or 

Paper Feed. Used for inserting the paper.



Used to switch between calendar or clock mode.

### PC-LINK KEYS



- Clears all display
- Power on the calculator Keypad lock / unlock



- Clears input that has just been entered (Calculator Mode only)
- Clear all input (Calculator Mode only)
- Escape the input (Keypad Mode only)



Switch between Calculator or Keypad Mode



Backspace in keypad mode; shift each digit of the displayed numerical value and clears the last significant digit



Send calculation results or display contents to computer (in Calculator Mode and Bluetooth connected)



- Execute calculation (Calculator Mode only)
- Enter Key — Confirm the input (Keypad Mode only)

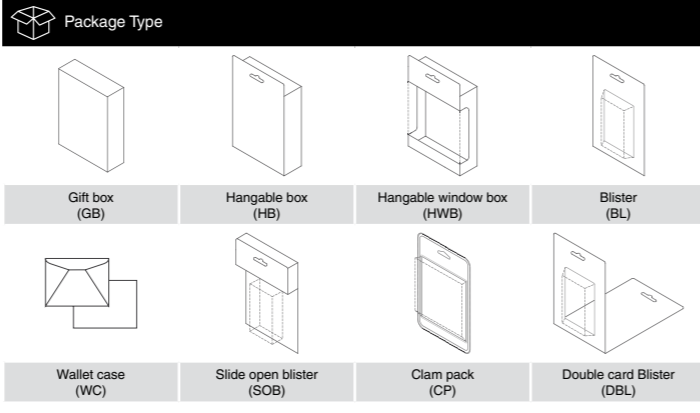


Reconnect the RF connection

# Package List

	Model	Package Type	QTY/CTN	G/W (kg)	Length (mm)	Width (mm)	Height (mm)	M3	
X SERIES	X MARK I PRO	EXP HWB UK	20	5.66	333	259	290	0.0250	
	X MARK I C-BK	EMEA HWB	60	5.90	309	274	289	0.0245	
	X MARK I C-WH	EMEA HWB	60	5.90	309	274	289	0.0245	
	X MARK I POTR	EMEA HWB	60	5.19	319	234	316	0.0236	
	X MARK I M SLIM-BK	EMEA HWB	20	5.60	452	337	279	0.0425	
	X MARK I M SLIM-WH	EMEA HWB	20	5.60	452	337	279	0.0425	
	X MARKI KRF-BK	EMEA HWB	48	19.10	519	444	293	0.0675	
	X MARKI KRF-WH	EMEA HWB	48	19.10	519	444	293	0.0675	
	X MARK I -BK	EMEA HWB	30	10.51	459	279	261	0.0334	
	X MARK I -WH	EMEA HWB	30	10.51	459	279	261	0.0334	
SCIENTIFIC	F-789SGA	ASA HB	40	11.50	391	373	246	0.0359	
	F-718SGA-BK	ASA HB	40	7.77	395	303	245	0.0293	
	F-718SA-WH	ASA HB	40	7.77	395	303	245	0.0293	
	F-718SA-RD	JPN SOB	40	10.75	557	333	358	0.0664	
	F-718SG-GR	JPN SOB	40	10.75	557	333	358	0.0664	
	F-718SGA-PK	EXP DBL UK	40	9.75	561	297	360	0.0600	
	F-718SG-LG	EXP DBL UK	40	9.75	561	297	360	0.0600	
	F-718S-BL	ASA HB	40	7.77	395	303	245	0.0293	
	F-715SG-BK	EXP GB UK	40	7.40	389	303	246	0.0290	
	F-715SG-WHM	EXP GB UK	40	7.40	389	303	246	0.0290	
ARC SERIES	AS-8	ASA HB	80	5.20	385	252	182	0.0177	
	AS-120R	ASA HB	40	6.70	371	337	268	0.0335	
	AS-220RTS	ASA HB	40	8.75	380	348	334	0.0442	
	AS-120	ASA HB	40	6.76	371	337	268	0.0335	
	AS-1200	ASA HB	40	9.70	464	369	296	0.0507	
	AS-2222	ASA HB	40	11.40	431	363	348	0.0544	
	AS-2200	ASA HB	40	12.20	446	378	344	0.0580	
	AS-2400	ASA HB	40	11.86	446	378	344	0.0580	
	AS-2600	ASA HB	40	12.00	446	378	344	0.0580	
	HI III SERIES	LC-210Hi III-BL	ASA HB	80	5.06	385	252	182	0.0177
LC-210Hi III-OR		ASA HB	80	5.06	385	252	182	0.0177	
LC-210Hi III-PP		ASA HB	80	5.06	385	252	182	0.0177	
LS-88Hi III		ASA HB	80	10.00	323	315	230	0.0234	
LS-120Hi III		ASA HB	60	10.46	343	318	390	0.0425	
TX-1210Hi III		ASA HB	40	11.25	412	404	333	0.0554	
WS-1210Hi III		ASA HB	40	14.74	443	393	375	0.0653	
COLOR SERIES		LS-123T-PK	ASA HB	TBA	TBA	TBA	TBA	TBA	TBA
		LS-123T-GR	ASA HB	TBA	TBA	TBA	TBA	TBA	TBA
		LS-123T-BL	ASA HB	TBA	TBA	TBA	TBA	TBA	TBA
	LS-123T-OR	ASA HB	TBA	TBA	TBA	TBA	TBA	TBA	
	AS-120V-PBL	ASA HB	40	6.76	371	337	268	0.0335	
	AS-120V-PPP	ASA HB	40	6.25	371	337	268	0.0335	
	AS-120V-PGY	ASA HB	40	6.25	371	337	268	0.0335	
	AS-120V-PPK	ASA HB	40	6.76	371	337	268	0.0335	
	AS-120V-POR	ASA HB	40	6.25	371	337	268	0.0335	
	AS-120V-LG	ASA HB	40	6.25	371	337	268	0.0335	
GREEN SERIES	LS-63TG	CAN HWB	120	11.74	425	316	296	0.0398	
	LS-154TG	CAN HWB	120	16.52	435	347	404	0.0610	
	LS-120TSG	EXP HWB	40	9.07	424	394	276	0.0461	
	HS-20TG	CAN HWB	40	9.84	465	393	276	0.0504	
	HS-1000TG	CAN HWB	40	11.68	481	389	316	0.0591	
	TS-1200TG	CAN HWB	40	13.86	479	379	344	0.0625	

**Package Type**



Gift box (GB)    Hangable box (HB)    Hangable window box (HWB)    Blister (BL)

Wallet case (WC)    Slide open blister (SOB)    Clam pack (CP)    Double card Blister (DBL)

# Barcode List

	Model	Product Code	Barcode
X SERIES	X MARK I PRO EXP HWB UK	6755B002AA	496099917283
	X MARK I C-BK EMEA HWB	5766B001AA	4960999811352
	X MARK I C-WH EMEA HWB	5766B002AA	4960999811369
	X MARK I POTR EMEA HWB	5846B002AA	4960999849959
	X MARK I M SLIM-BK EMEA HWB	5655B003AA	4960999810959
	X MARK I M SLIM-WH EMEA HWB	5655B004AA	4960999810966
	X MARKI KRF-BK EMEA HWB	5094B002AA	4960999811291
	X MARKI KRF-WH EMEA HWB	5094B003AA	4960999811307
	X MARK I -BK EMEA HWB	3982B001AB	4960999645988
	X MARK I -WH EMEA HWB	3982B002AB	4960999631097
SCIENTIFIC	F-789SGA ASA HB	6467B004AA	4960999917276
	F-718SGA-BK ASA HB	4299B005AA	4960999780535
	F-718SA-WH ASA HB	4298B005AA	4960999780788
	F-718SA-RD JPN SOB	4298B002AC	4960999661377
	F-718SG-GR JPN SOB	4576B001AC	4960999671024
	F-718SGA-PK EXP DBL UK	4299B004AA	4960999681160
	F-718SG-LG EXP DBL UK	4576B002AA	4960999681153
	F-718S-BL ASA HB	4177B003AB	4960999658230
	F-715SG-BK EXP GB UK	5730B007AA	4960999810805
	F-715SG-WHM EXP GB UK	5730B008AA	4960999810812
ARC SERIES	AS-8 ASA HB	4598B002AA	4960999676258
	AS-120R ASA HB	4583B002AA	4960999676265
	AS-220RTS ASA HB	4898B002AA	4960999684109
	AS-120 ASA HB	4582B002AA	4960999673622
	AS-1200 ASA HB	4599B002AA	4960999676272
	AS-2222 ASA HB	4586B002AA	4960999676296
	AS-2200 ASA HB	4584B002AA	4960999676289
	AS-2400 ASA HB	4585B003AA	4960999784021
	AS-2600 ASA HB	4997B002AA	4960999784038
	LC-210Hi III-BL ASA HB	4628B002AA	4960999674865
HI III SERIES	LC-210Hi III-OR ASA HB	4628B003AA	4960999674902
	LC-210Hi III-PP ASA HB	4628B001AA	4960999674513
	LS-88Hi III ASA HB	4425B001AA	4960999665016
	LS-120Hi III ASA HB	4629B001AA	4960999674520
	TX-1210Hi III ASA HB	4630B001AA	4960999674537
	WS-1210Hi III ASA HB	4631B001AA	4960999674544
	LS-123T-PK ASA HB	8107B001AA	496099966489
	LS-123T-GR ASA HB	8107B002AA	496099966496
	LS-123T-BL ASA HB	8107B003AA	496099966502
	LS-123T-OR ASA HB	8107B004AA	496099966519
COLOR SERIES	AS-120V-PBL ASA HB	5476B003AA	4960999814339
	AS-120V-PPP ASA HB	5476B007AA	4960999814377
	AS-120V-PGY ASA HB	5476B005AA	4960999814353
	AS-120V-PPK ASA HB	5476B006AA	4960999814360
	AS-120V-POR ASA HB	5476B008AA	4960999814384
	AS-120V-LG ASA HB	5476B004AA	4960999814346
	LS-88Hi III-PGR ASA HB	4425B003AA	4960999814315
	LS-88Hi III-PPP ASA HB	4425B004AA	4960999814322
	LS-88Hi III-PPK ASA HB	4425B002AA	4960999814285
	LS-120Hi III-RD ASA HB	4629B002AA	4960999814391
GREEN SERIES	LS-63TG CAN HWB	1076B002AA	013803091939
	LS-154TG CAN HWB	1075B002AA	013803091922
	LS-120TSG EXP HWB	3813B001AA	4960999638881
	HS-20TG CAN HWB	1074B007AA	013803091915
	HS-1000TG CAN HWB	1073B006AB	013803091908
	TS-1200TG CAN HWB	1072B004AB	013803091892

Specifications are subject to change without notice.

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 TIONAL CO. LTD.**  
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 Mingalar Taung Nyunt Township, Yangon,  
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 Fax: (66) 2793 9111  
 Website: www.welltechgroup.co.th

# Symbol Guide

## Special icons for X series

Mouse	Calculator	Keypad	1200 DPI	Pocket size
Red laser pointer	Back light	AA battery x 4 included	Aluminium lower case	Solar power only

## Special icons for Printing Calculator

Ergonomic keyboard design	2-colors printing	2-color display	Cash change function	Energy saving	Clock & calendar	AC power

## Special icons for Clock Timer

Timer	Melody alarm	World clock

## General Icons

Number of Digit					
8-digit calculation capacity	10-digit calculation capacity	12-digit calculation capacity	14-digit calculation capacity	16-digit calculation capacity	10-digit mantissa + 2-digit exponent display

Value Added Function								
Tax calculation	Business calculation (Cost, sell, margin)	Currency conversion	Mark-up calculation	Reverse function	Grand total function	Check & correct function	Double memory calculation	Number of scientific and statistical functions (The number differs by model)

Display Type			Key Type		
Large display	2-line display	Textbook display	Silent input	I.T. touch key	Double injection key

Display Angle			Power Source		
Internal angled display	Adjustable display	Upright angled display	Dual power	Solar power only	Battery only

Protective Case				Usage Type
360° protective hard case	Wallet case	Hard wallet case	Slide hard case	Key chain

Others	
Antibacterial	Low battery indicator

\* Antimicrobial efficacy is certified by The Society of Industrial-Technology for Antimicrobial Articles (SIAA) ISO 22196 (JIS Z2801)



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