

Palintest

Water Analysis Technologies



COMPACT METER RANGE

POOL AND SPA **WASTEWATER** DRINKING WATER PROCESS WATER SOIL

About us

Palintest is a leading company in the design and manufacture of water analysis technologies, supplying a comprehensive range of precision instruments for multidisciplinary analysis.

A global company with a local approach

• USA • UK • Middle East • China • Australia



Application areas



Drinking water

Parameters for treatment and supply



Pool and spa

Kits for commercial and residential sectors



Soil and irrigation

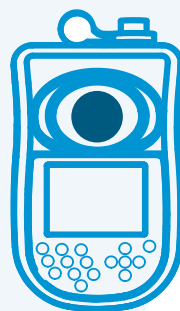
Test kits for optimising crop yields



Process industries

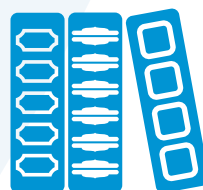
Test kits for industrial processes

Instrumentation



From multiparameter photometer kits with all calibrations pre-programmed into the software, to visual test kits allowing anyone to carry out analyses, Palintest has an instrument solution for every application.

Water testing library



Our online library contains research and insight surrounding our products and the applications they are used in.

Compact Photometry and Nephelometry

Photometric or colorimetric analysis is an incredibly powerful yet simple-to-use technique. The wide range of Palintest instruments available covers all critical water quality parameters, making it ideal for providing the critical information required for drinking water, wastewater, environmental and process applications.

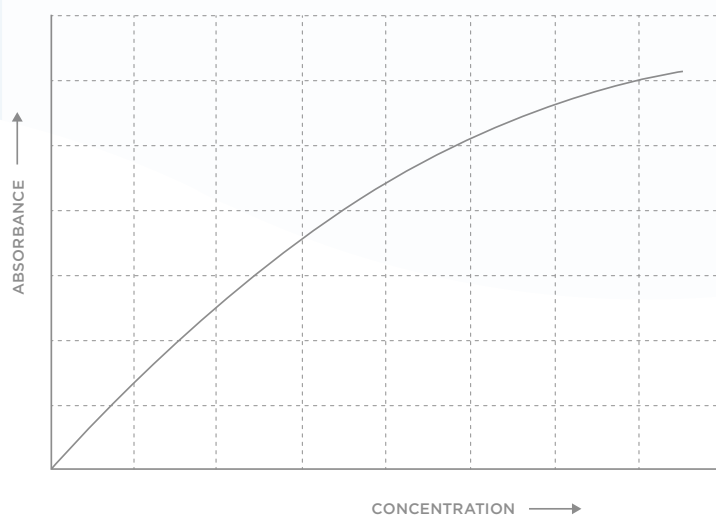
Nephelometry is a similar optical technique utilising the physical phenomenon of light scatter for measurement of turbidity.

Key benefits of photometry and nephelometry

- Stable calibrations – typically requiring an annual performance check for most Compact meter applications
- Low detection limits – measure even the slightest concentrations
- Wide variety of parameters available – ranging from disinfectants to nutrients and process additives, the number of species that can be determined is vast

Palintest's portable photometers simplify the process of water analysis, making technology accessible to users around the world.

Backed by over 70 years of research, our technologies are used in a variety of applications such as portable water supply, healthcare, environmental monitoring and agriculture.



Photometer feature key

Tablet icon:

This instrument is compatible with tablet reagents.



Tubes icon:

This instrument is compatible with liquid Tubetests reagents.



USB icon:

This instrument includes a data transfer function via USB.



Compact Chlorometer

The Compact Chlorometer ensures accurate analysis of free, combined and total chlorine in a simple-to-use portable photometer.



Compact Chlorometer kit, soft case



Tablet reagents

The Compact Chlorometer is ideal for the field professional validating the safety of drinking water or wastewater disinfection.

Key features include:

- True chlorine calibration – results are calibrated against real chlorine samples for the most accurate result
- DPD method application – both tablet and liquid reagents are available to measure free chlorine, monochloramine, dichloramine and/or total chlorine up to 5 mg/l chlorine
- Two button operation – blank and read simply with a single button push.

With a data memory for the last 10 results, the Compact Chlorometer is available in both hard and soft case kits.

Specification

Measuring System	Dual LED source, direct reading colorimeter
Ranges	0 – 5 mg/l Chlorine
Display	High clarity LCD with backlight
User Interface	Blank, read, function and power keys
Data Storage	Last 10 results
Size (W x L x H)	65 x 150 x 40mm
Weight	200 g (including batteries)
Power Supply	2 x AA batteries

Product

Compact Chlorometer Kit, Soft Case

Code: PTS 045D

Compact Chlorometer, 2 cuvettes, cuvette brush, crush/stirring rods, 50 tests for free and total chlorine, instructions. Supplied in soft case with belt loop.

Compact Chlorometer Kit, Hard Case

Code: PTH 045D

Compact Chlorometer, 4 cuvettes, cuvette brush, crush/stirring rods, 100 tests for free and total chlorine, instructions. Supplied in hard case.

Compact Chlorometer Duo

For true field versatility, the Compact Chlorometer Duo cannot be beaten, delivering dual range chlorine analysis for the widest variety of applications.

Whether testing drinking water compliance using the DPD method or measuring higher levels of chlorine concentration for process applications via the Chlorine HR method, the Compact Chlorometer Duo provides both.

Key features of the product include:

- Simple operation – blank or measure with a single button
- Waterproof and battery powered – ideal for field use
- Measure chlorine up to 250 mg/l on one meter.

Available in either a hard or soft case format, the Compact Chlorometer Duo is rated to IP67 – it even floats if accidentally immersed! The reagents supplied are in tablet format for ease-of-use and long-term stability, typically stable for up to 10 years.



Tablet reagents



Compact Chlorometer Duo kit, hard case

Specification

Measuring System	Dual LED source, direct reading colorimeter
Ranges	0 – 5 mg/l Chlorine 1 – 250 mg/l Chlorine
Display	High clarity LCD with backlight
User Interface	Blank, read, function and power keys
Data Storage	Last 10 results
Size (W x L x H)	65 x 150 x 40mm
Weight	200 g (including batteries)
Power Supply	2 x AA batteries

Product

<p>Compact Chlorometer Duo Kit, Soft Case Code: PTS 027</p>	<p>Compact Chlorometer Duo, 2 cuvettes, cuvette brush, crush/stirring rods, 20 tests for free and total chlorine (standard range), 20 tests for chlorine (high range), instructions. Supplied in soft case with belt loop.</p>
<p>Compact Chlorometer Duo Kit, Hard Case Code: PTH 027</p>	<p>Compact Chlorometer Duo, 4 cuvettes, cuvette brush, crush/stirring rods, 100 tests for free and total chlorine (standard range), 100 tests for chlorine (high range), instructions. Supplied in hard case.</p>

Compact ClO₂⁺ Meter

The Compact ClO₂⁺ meter provides field analysis of chlorine and chlorine dioxide using the DPD method.



Tablet reagents

The Compact ClO₂⁺ meter, soft case

The original Palin system was designed for monitoring of all forms of chlorine. Dr Palin extended the method to measure alternative disinfectants such as chlorine dioxide – a powerful and increasingly popular biocide.

The Compact ClO₂⁺ meter delivers the following features:

- User selection of chlorine or chlorine dioxide plus chlorite on a single instrument
- Simple tablet-based measurement methods for easy field analysis
- IP67 waterproof instrument for reliability in warm or humid environments.

Available in a choice of hard or soft case kits, the Compact ClO₂⁺ meter is simplicity itself operating with four intuitive keys. Accessories include our unique Neutral Density Filter (NDF) check standards for validation in the field.

Specification

Measuring System	Dual LED source, direct reading colorimeter
Ranges	0 – 5 mg/l Chlorine 0 – 10 mg/l Chlorine Dioxide
Display	High clarity LCD with backlight
User Interface	Blank, read, function and power keys
Data Storage	Last 10 results
Size (W x L x H)	65 x 150 x 40mm
Weight	200 g (including batteries)
Power Supply	2 x AA batteries

Product

Compact ClO ₂ ⁺ Meter Kit, Soft Case Code: PTS 046	Compact ClO ₂ ⁺ Meter, 2 cuvettes, cuvette brush, crush/stirring rods, 50 DPD 1 tablets, 50 DPD 3 tablets, 50 DPD Glycine tablets, instructions. Supplied in a soft case with belt loop.
Compact ClO ₂ ⁺ Meter Kit, Hard Case Code: PTH 046	PTH 046 Compact ClO ₂ ⁺ Meter Kit, Hard Case

Compact Ozone Meter

The Compact Ozone meter provides ozone testing using the DPD method in a waterproof, portable instrument. Ideal for drinking water, wastewater treatment and bottled water production

Offering a wide dynamic range and a simple testing procedure, measuring ozone is a quick and easy process suitable for all. Wherever ozone is used as a disinfectant, the Compact Ozone meter is part of the control method.

Key features include:

- DPD tablet method – accurate, simple and stable for years
- Long cuvette pathlength for superb resolution at low levels
- Waterproof to IP67 and battery powered – take the Compact Ozone meter anywhere.



Tablet reagents

Supplied in either a hard or soft case kit, the Compact Ozone meter is a single tablet method with the option of correcting for chlorine or bromine in the sample. Supported with a full range of consumables and unique Neutral Density Filter (NDF) check standards for field validation.



The Compact Ozone meter, hard case

Specification

Measuring System	Dual LED source, direct reading colorimeter
Ranges	0 – 3 mg/l Ozone
Display	High clarity LCD with backlight
User Interface	Blank, read, function and power keys
Data Storage	Last 10 results
Size (W x L x H)	65 x 150 x 40mm
Weight	200 g (including batteries)
Power Supply	2 x AA batteries

Product

Compact Ozone Meter Kit, Soft Case

Code: PTS 043

Compact Ozone Meter, 2 cuvettes, cuvette brush, crush/stirring rods, 100 tests for ozone, instructions. Supplied in a soft case with belt loop.

Compact Ozone Meter Kit, Hard Case

Code: PTH 043

Compact Ozone Meter, 4 cuvettes, cuvette brush, crush/stirring rods, 200 tests for ozone, instructions. Supplied in a hard case.

Compact Ammonia + Meter

Portable Ammonia and Ammonium measurement by the Nessler method with a choice of operating ranges up to 100 mg/l.



Tubetests reagents

Designed for wastewater and environmental monitoring the Compact Ammonia + Meter uses the Nessler method for ammonia measurement including a high range reagent ideal for ammonia monitoring in the nitrification process.

The Compact Ammonia + features:

- Rapid and accurate analysis with a well-established technique
- IP67 waterproof and battery powered instrument – ideal for field use
- Simple operation coupled with pre-formulated Tubetests® reagents – suitable for all users

Supplied as either a hard or soft case kit the Compact Ammonia+ Meter is provided with a 2 year warranty and benefits from the full range of Palintest technical support.

Specification

Measuring System	Single LED source, direct reading colorimeter
Ranges	0 – 15 mg/l N 0 – 50 mg/l N 0 – 100 mg/l N
Display	High clarity LCD with backlight
User Interface	Blank, read, function and power keys
Data Storage	Last 10 results
Size (W x L x H)	65 x 150 x 40mm
Weight	200 g (including batteries)
Power Supply	2 x AA batteries

Contents

Compact Ammonia + Meter, Tubetests® Adaptor (PT 565), instruction manual. Supplied in a soft case with belt loop.	PTS 041 Compact Ammonia + Kit, Soft Case
Compact Ammonia + Meter, Tubetests® Adaptor (PT 565), instruction manual. Supplied in a hard case.	PTH 041 Compact Ammonia + Kit, Hard Case

Compact Ammonia Duo Meter

Measure Ammonia and Ammonium in drinking water, wastewater or environmental samples with the widest choice of working ranges.

Perfect for any situation where ammonia monitoring is required, the Compact Ammonia Duo offers a choice of Nessler or Indophenol method analysis and reagent formats.

Among the features are:

- Simple method selection and automatic retention of the last method used -
- Widest choice of operating ranges - from low range drinking water testing to high range wastewater levels in a single instrument
- Convenient reagents formats - choose either Tubetests® or tablet reagents

Soft case and hard case kits contain all the components required to start testing immediately including a set of tablet reagents. Neutral Density Filter (NDF) Check Standards are available to validate performance of your meter in the field, part of the Palintest technical support offering.



Tubetests reagents

The Compact Ammonia Duo Meter, soft case

Specification

Measuring System	Dual LED source, direct reading colorimeter
Ranges	0 - 1 mg/l N (Indophenol method, tablet reagent) 0 - 12 mg/l N (Indophenol Tubetests® reagent) 0 - 50 mg/l N (Indophenol Tubetests® reagent) 0 - 15 mg/l N (Nessler Tubetests® reagent) 0 - 50 mg/l N (Nessler Tubetests® reagent) 0 - 100 mg/l N (Nessler Tubetests® reagent)
Display	High clarity LCD with backlight
User Interface	Blank, read, function and power keys
Data Storage	Last 10 results
Size (W x L x H)	65 x 150 x 40mm
Weight	200 g (including batteries)
Power Supply	2 x AA batteries

Contents

Compact Ammonia Duo Meter, Tubetests® Adaptor (PT 565), 2 cuvettes, cuvette brush, crush/stirring rods, 50 tablet tests for ammonia, instruction manual. Supplied in a soft case with belt loop.	PTS 042 Compact Ammonia Duo Kit, Soft Case
Compact Ammonia Duo Meter, Tubetests® Adaptor (PT 565), 4 cuvettes, cuvette brush, crush/stirring rods, 50 tablet tests for ammonia, instruction manual. Supplied in a hard case.	PTH 042 Compact Ammonia Duo Kit, Hard Case

Turbidimeter Plus

ISO 7027 compliant measurement of turbidity in drinking water, wastewater and surface water with Total Suspended Solids (TSS) capability.



USB data transfer

Turbidity and Total Suspended Solids (TSS) are two of the most important indicator parameters for water quality monitoring. The new Turbidimeter Plus has been developed with leading water utility companies and provides the ideal testing platform for drinking water, wastewater and safe water monitoring.

The Turbidimeter Plus features:

- Fast and reliable results within 5 seconds
- Unique Quadoptix technology with four individual measurement points for increased reliability
- Specifically designed for field use with storage for 1000 results and battery power for approximately 10,000 tests
- Variety of operating and reading modes including TSS, Average and Continuous Capture
- USB connectivity for power, downloading data and installing software upgrades
- IP67 certified with a waterproof USB socket

Specification

Measuring System	QuadoptiX™ optical system with two independent 860nm LED sources, ISO 7027 Compliant
Ranges	0.01 – 1050 NTU
Display	High clarity LCD with backlight
User Interface	Soft key access with English, French, and Spanish language options
Data Storage	1000 results including date, time, sample ID, operator ID and mode. Last 12 good calibrations including Operator ID
Size (W x L x H)	82 x 225 x 50mm, 340 g
Weight	200 g (including batteries)
Power Supply	2 x AA batteries or via USB port
Contents	PTH 092 Turbidimeter Plus Kit, Hard Case
<p>Turbidimeter Plus instrument, 4 SDVB calibration standards, 4 sample cuvettes (PT 555), silicone oil (PT 120), dilution tube (PT 512), cleaning cloths, instructions and usb cable. Supplied in a hard case.</p>	
Calibration Set	
SDVB Calibration set for the Turbidimeter Plus	PTC 092

Turbimeter Plus Combined Kits

Combine turbidity and Total Suspended Solids with a range of disinfection or nutrient parameters. Perfect for field validation of drinking water treatment, pipework contractors and wastewater compliance monitoring.

Turbimeter Plus and Chlorometer Kit

Contents

Turbimeter Plus, 4 SDVB calibration standards, 4 sample cuvettes, silicone oil, dilution tube, cleaning cloths, Compact Chlorometer, cuvette brush, crush/stirring rods, 100 tests for free and total chlorine instructions. Supplied in a hard case.

PTH 7091 Turbimeter Plus/Chlorometer Kit, Hard Case



Tablet
reagents



USB data
transfer



Turbimeter Plus and Chlorometer Duo Kit

Contents

Turbimeter Plus, 4 SDVB calibration standards, 4 sample cuvettes, silicone oil, dilution tube, cleaning cloths, Compact Chlorometer Duo, cuvette brush, crush/stirring rods, 50 tests for free and total chlorine (standard range), 50 tests for chlorine (high range) instructions. Supplied in a hard case.

PTH 7092 Turbimeter Plus/
Chlorometer Duo Kit, Hard Case



Tablet
reagents



USB data
transfer



Turbimeter Plus and ClO₂+ Meter Kit

Contents

Turbimeter Plus instrument, 4 SDVB calibration standards, 4 sample cuvettes, silicone oil, dilution tube, cleaning cloths, Compact ClO₂+ Meter, cuvette brush, crush/stirring rods, 50 DPD 1 tablets, 50 DPD 3 tablets, 50 DPD Glycine tablets, instructions. Supplied in a hard case.

PTH 7093 Turbimeter Plus/ClO₂+ Meter Kit, Hard Case



USB data transfer



Tablet reagents



Turbimeter Plus and Ozone Meter Kit

Contents

Compact Turbimeter Plus instrument, 4 SDVB calibration standards, 4 sample cuvettes, silicone oil, dilution tube, cleaning cloths, Compact Ozone Meter, cuvette brush, crush/stirring rods, 100 tests for ozone, instructions. Supplied in a hard case.

PTH 7094 Turbimeter Plus/Ozone Meter Kit, Hard Case



USB data transfer



Tablet reagents

Turbimeter Plus and Ammonia Kit

Contents

Turbimeter Plus instrument, 4 SDVB calibration standards, 4 sample cuvettes, silicone oil, dilution tube, cleaning cloths, Compact Ammonia + Meter, Tubetests® Adaptor, instructions. Supplied in a hard case.

PTH 7095 Turbimeter Plus/Ammonia + Meter Kit, Hard Case



USB data transfer



Tubetests reagents



Turbimeter Plus and Ammonia Duo Kit

Contents

Turbimeter Plus instrument, 4 SDVB calibration standards, 4 sample cuvettes, silicone oil, dilution tube, Compact Ammonia Duo Meter, Tubetests® Adaptor, cuvette brush, crush/stirring rods, 50 tablet tests for ammonia, cleaning cloths, instructions. Supplied in a hard case.

PTH 7096 Turbimeter Plus/Ammonia Duo Kit, Hard Case



USB data transfer



Tubetests reagents



Tablet reagents



Neutral Density Filter Check Standards

Validate your Compact Meter in the field using the unique Neutral Density Filter Check Standards. Traceable, stable indefinitely and not affected by temperature.



Palintest Compact photometers are the first portable meter to use Neutral Density Filter technology for field validation.

Among the features are:

- Simple to use – insert into the cuvette holder and read the result to check performance is within specification.
- Robust and stable – no degradable components and supplied in a protective case
- Traceable standards – validated and certified for 5 years

With ease of use built in to the design of both meter and standard, the NDF Check Standards are the ideal and inexpensive way to validate meter performance.

Packages

PTC 045 NDF Check Standards for Compact Chlorometer	Validation standards for Compact Chlorometer. Supplied in hard case with certification.
PTC 027 NDF Check Standards for Compact Chlorometer Duo	Validation standards for Compact Chlorometer Duo. Supplied in hard case with certification.
PTC 043 NDF Check Standards for Compact Ozone Meter	Validation standards for Compact Ozone Meter. Supplied in hard case with certification.
PTC 046 NDF Check Standards for Compact ClO ₂ + Meter	Validation standards for Compact ClO ₂ + Meter. Supplied in hard case with certification.
PTC 041 NDF Check Standards for Compact Ammonia Range	Validation standards for Compact Ammonia Meter, Compact Ammonia + Meter and Compact Ammonia Duo Meter. Supplied in hard case with certification.

Spares and Maintenance

Maintain your Compact Meter with a complete range of consumables, spares and accessories. Reagents, replacement parts, technical advice and service are all available as part of our after-sales support.

Register your Compact Meter to take advantage of the 2 year warranty and access our full range of technical support and application training material.



Packages

PT 555 Compact Cuvette Pack	Replacement cuvettes for Compact meter, pack of 5
PT 545 Compact Cuvette Rack	Rigid rack for Compact Cuvettes. Space for up to 10 cuvettes
PT 502 Crush/Stirring Rods	Polypropylene rod for tablet crushing and sample stirring. Pack of 10.
PT 663 Cuvette Brush	Cuvette brush, 120mm
06231 Service and Calibration, Compact Meter	Routine service including diagnostic check, optical cleaning and multi-point recalibration with validation certificate. Available from authorised Palintest Service Centres only.

Palintest

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