

Palintest

Water Analysis Technologies



COMPACT METER RANGE

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

Compact Turbimeter

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



Turbidity and Total Suspended Solids (TSS) are two of the most important indicator parameters for water quality monitoring. The Compact Turbimeter provides the ideal testing platform using unique QuadoptiX™ technology with a sophisticated yet simple to use instrument.

The Compact Turbimeter provides:

Maximum reliability and accuracy in the field - the QuadoptiX™ system offers four independent measurement points systems in a waterproof portable instrument.

Variety of operating/reading modes including Total Suspended Solids, averaging and continuous capture to measure all types of samples effectively

Comprehensive hard case kit including instrument, calibration standards, sample cuvettes and other accessories

Add to the physical product the sophistication of data log for results and record of calibration data for GLP, the Compact Turbimeter is a key component in any water monitoring package.

Contents

Compact Turbimeter instrument, 4 SDVB calibration standards, 4 sample cuvettes (PT 555), silicone oil (PT 120), dilution tube (PT 512), cleaning cloths, instructions. Supplied in a hard case.

PTH 090 Compact Turbimeter Kit, Hard Case



Specification

Optical System	QuadroptiX™ optical system with two independent 860nm LED sources, ISO 7027 Compliant
Ranges	0.0 – 1050 NTU
Display	High clarity LCD with backlight
User Interface	Soft key access with English, French, Spanish, German and Italian language
Result Units	NTU, FNU, FTU, mg/l (TSS mode)
Modes	Turbidity (normal, average, continuous capture), Total Suspended Solids
Data Storage	100 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
Weight	340 g (including batteries)
Power Supply	2 x AA batteries

Accessories

PTC 090 Compact Turbimeter Calibration Set	Replacement SDVB calibration standards provided in hard case with certificate
PT 555 Compact Cuvettes	Pack of 5 glass cuvettes with caps. 25mm OD with 10ml graduation.
PT 120 Silicone Oil	Silicone oil, 10ml
PT 121 4000 NTU Formazin Standard	4000 NTU Formazin stock solution, 100ml
PT 663 Cuvette Brush	For cleaning cuvettes, length 120mm

Compact Chlorometer

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



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.

Contents

Compact Chlorometer, 2 cuvettes, cuvette brush, crush/stirring rods, 50 tests for free and total chlorine, instructions. Supplied in soft case with belt loop.	PTS 045D Compact Chlorometer Kit, Soft Case
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Compact Chlorometer, 4 cuvettes, cuvette brush, crush/stirring rods, 100 tests for free and total chlorine, instructions. Supplied in hard case.	PTH 045D Compact Chlorometer Kit, Hard Case
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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

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.



Contents

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.

PTS 027 Compact Chlorometer Duo Kit, Soft Case

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.

PTH 027 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

Compact ClO₂+ Meter

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

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.



Contents

Compact ClO₂+ 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. PTS 046 Compact ClO₂+ Meter Kit, Soft Case

Compact ClO₂+ Meter, 4 cuvettes, cuvette brush, crush/stirring rods, 100 DPD 1 tablets, 100 DPD 3 tablets, 100 DPD Glycine tablets, instructions. Supplied in a hard case PTH 046 Compact ClO₂+ Meter Kit, Hard Case

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

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.

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.



Contents

Compact Ozone Meter, 2 cuvettes, cuvette brush, crush/stirring rods, 100 tests for ozone, instructions. Supplied in a soft case with belt loop.	PTS 043 Compact Ozone Meter Kit, Soft Case
Compact Ozone Meter, 4 cuvettes, cuvette brush, crush/stirring rods, 200 tests for ozone, instructions. Supplied in a hard case.	PTH 043 Compact Ozone Meter Kit, 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

Compact Ammonia + Meter



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

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.

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

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

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.



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

Specification

Measuring System	Dual LED source, direct reading colorimeter
Ranges	0 – 1 mg/lN (Indophenol method, tablet reagent) 0 – 12 mg/lN (Indophenol Tubetests® reagent) 0 – 50 mg/lN (Indophenol Tubetests® reagent) 0 – 15 mg/lN (Nessler Tubetests® reagent) 0 – 50 mg/lN (Nessler Tubetests® reagent) 0 – 100 mg/lN (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

Compact Turbimeter 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.



Compact Turbimeter, 4 SDVB calibration standards, 4 sample cuvettes, silicone oil, dilution tube, cleaning cloths, instructions. Supplied in a hard case with foam cut-outs for existing Compact Meter.

PTH 7090 Compact Turbimeter/Sp Kit, Hard Case



Compact Turbimeter, 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 Compact Turbimeter/Chlorometer Kit, Hard Case



Compact Turbimeter, 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 Compact Turbimeter/Chlorometer Duo Kit, Hard Case



Compact Turbidimeter instrument, 4 SDVB calibration standards, 4 sample cuvettes, silicone oil, dilution tube, cleaning cloths, Compact CIO2+ 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 Compact Turbidimeter/CIO2+ Meter Kit, Hard Case



Compact Turbidimeter 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 Compact Turbidimeter/Ozone Meter Kit, Hard Case



Compact Turbidimeter 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 Compact Turbidimeter/Ammonia + Meter Kit, Hard Case



Compact Turbidimeter 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 Compact Turbidimeter/Ammonia Duo Kit, Hard Case

NDF 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 ClO₂+ 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.

Compact Meter Spares and Accessories

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.

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