

Photometers

Palintest photometers are ideal for providing critical information required for drinking water, wastewater, environmental and process applications.

Suitable for a wide range of parameters, photometric analysis is a simple and effective mechanism for determining water quality parameters.



Multiparameter Photometers

Our multiparameter photometers include all Palintest reagent methods pre-calibrated into the software, providing comprehensive testing platforms for a wide range of tests.



Compact Photometers

Our compact photometer range comprises handheld units with single-parameter calibrations, ideal for quick analysis of key water quality parameters.

Configure a system:

- 1 Select instrument platform:** Multiparameter or single parameter. Select kit type.
- 2 Select tests:** Select parameter(s). Tablet or liquid (Tubetest) format.
- 3 Select accessories:** Such as; spare cuvettes, check standards, tubetest heater blocks.

Photometer features key:

Tablet icon:
This instrument is compatible with tablet reagents.



USB icon:
This instrument includes a data transfer function via USB.



Tubetest icon:
This instrument is compatible with liquid tubetest reagents.



Bluetooth® icon:
This instrument includes Bluetooth® for data transfer.



Multiparameter Photometers Overview

Photometer 7500 Bluetooth®

Photometer 7100

Photometer 7500 Bluetooth®



The Photometer 7500 is our most popular photometer due its versatility and simplicity of use. Reliable and intuitive it has been designed to simplify the process of testing and managing water quality data.

- Effortlessly store 500 results and transfer to the Palintest Aqua Pal App with Bluetooth®
- Covers the full range of test parameters
- Personalise your instrument by adding your own tests



Bluetooth® data transfer



USB data transfer



Tablet reagents



Tubetest reagents

Battery Power	✓	✓
Number of Methods	>100	>100
Drag & Drop Method Update		✓
Frequently Used Test List/Hot Keys	✓	✓
Multiple Date Formats	✓	✓
Automatic Method Set-Up	✓	✓
Timer	✓	✓
Automatic Read on Time Elapse	✓	✓
Backlight with User Control	✓	✓
Optics Accessible for Cleaning	✓	✓
Automatic Cuvette Centering	✓	✓
Numeric/Select Key Interface	✓	✓
Connectivity		Bluetooth® & USB
Mains Power		Via USB port
Bi-directional Serial Communication		✓
User Defined Tests		30
CSV Format Data Download		✓
User Access Control Lock	✓	✓
Result Log	✓	✓
Number of Results & Data Sets	100	500
Date & Time	✓	✓
Multiple Operator IDs	✓	✓
Multiple Sample IDs	✓	✓

Ordering Information



PTBR7500

Photometer 7500 Bluetooth® Benchtop Kit

Instrument and light cap, 10 glass cuvettes, cuvette rack, absorbent cloth, 10mL syringe, dilution tube/sample container, cuvette brush, lint free cloth, 10 crush/stir rods, cuvette rack, USB lead, Mains Adapter, Instrument instructions, Palintest method book. Supplied in a transit carton.



PTBH7500

Photometer 7500 Bluetooth® Standard Kit

Instrument and light cap, 8 glass cuvettes, dilution tube/sample container, USB lead, cuvette brush, 10 crush/stirring rods, lint free cloth, 10mL syringe, instrument instructions, Palintest method book. Supplied in a hard case.



PTBW7500

Photometer 7500 Bluetooth® Engineers Kit

Instrument and light cap, 8 glass cuvettes, 2 dilution tubes/sample containers, 20 mL syringe with Luer fitting, Luer filter holder, GFB filter pack, 10mL syringe, USB lead, mains adapter, cuvette brush, 10 crush/stirring rods, cuvette rack, lint free cloth, De-ion pack, check standards, multiparameter pocket sensor, conductivity calibration solution, pH 4/7/10 calibration solutions, instrument instructions, Palintest method book. Supplied in an IP67 hard case with space for up to 4 reagent Starter Packs..

Technical Specification

Instrument Type	Split beam colorimeter offering direct-reading of pre-programmed test calibrations, Absorbance and Transmittance
Wavelengths	450 nm, 500 nm, 550 nm, 570 nm, 600 nm, 650 nm
Accuracy	±1.0% T
Display	320 x 240 pixel LCD with backlight and contrast adjustment
User Interface	On-screen prompts in English, French, Spanish, German, Italian, Turkish and Chinese (Simplified).
Size (W x L x H) and weight	150 x 250 x 70 mm, 975 g
Power Supply	3 x 1.5v 'AA' batteries (typically 40 hours), mains power via USB port
Connectivity	Palintest Bluetooth® (4.0) profile and USB for data download
User Defined Methods	Up to 30 additional methods
Memory Capacity	Up to 500 data sets.

Photometer 7100

The Photometer 7100 provides the complete range of test parameters in a waterproof instrument certified to IP67. Proven photometric technology and reagent systems provide dependable results to enable decisions on water quality to be made instantly and with confidence.

- Simple to use
- Designed for on-site analysis
- Full range of test parameters



Tablet reagents



Tubetest reagents

Photometer Reagents

pages 14 - 17

Ordering Information



PTR7100 **Photometer 7100 Benchtop Kit**

Instrument, 10 glass cuvettes, dilution tube/sample container, cuvette brush, 10 crush/stirring rods, lint free cloth, absorbent cloth, instrument instructions, Palintest method book. Supplied in a cardboard carton for shipping protection.



PTH7100 **Photometer 7100 Standard Kit**

Instrument and light cap, 8 glass cuvettes, dilution tube/sample container, 10 mL syringe, test tube brush, 10 crush/stirring rods, lint free cloths, instrument instructions, Palintest method book. Supplied in a protective case.

Technical Specification

Instrument Type	Dual light source photometer offering direct-reading of pre-programmed test calibrations, Absorbance and Transmittance
Wavelengths	450 nm, 500 nm, 550 nm, 570 nm, 600 nm, 650 nm
Accuracy	±1.0% T
Display	320 x 240 pixel LCD with backlight and contrast adjustment
User Interface	On screen prompts available in English, French, Spanish, Italian, German and Chinese (Simplified).
Size (W x L x H) and weight	150 x 250 x 70 mm, 975 g
Power Supply	3 x 1.5v 'AA' batteries (typically 40 hours), mains power via USB port
Memory Capacity	Up to 500 data sets.

Photometer Accessories

Code	Product
PT804	Photometer 7100/7500 Check Standards. Supplied in a storage case with certificate
PT595/5	Photometer Cuvettes (x5) - glass, with caps. 20 mm OD, 77 mm tall with 10mL graduation
PT524/5	Round Test Tubes for Photometer, 10mL plastic (pack of 5)
PT502	Crush/Stirring Rods - Pack of 10 crush/stirring rods
PT503	Nessler Tubes, 50 mL, glass (pair)
PT641	Measuring Cylinder, plastic, 10mL
PT530	P/P 250 mL Graduated Bottle
PT512	Sample Container/Dilution Tube
PT516	Wash Bottle, 250 mL
PT518	Wash Bottle (for Deionised Water)
PT519	Sample Container, 50/10 mL plastic bottle
PT526	Sample Container, 20/10 mL plastic tube
PT500	De-Ion Pack (makes approximately 5 litres Deionised Water)
PT1250	Deionised Water, 500 mL
PT745	USB Power Supply Unit
PT746	USB Photometer-Computer/PSU Cable
PT361/62/65/69	Plastic Syringe (1mL - PT361), (2 mL - PT362), (5 mL - PT365), (10mL - PT369)
PT370/ 372	Plastic Syringe, Luer fitting (20 mL - PT370), (50 mL - PT372)
PT375	Dilution Syringe, x 10/100 (for use with PT 512)
PT376	Dilution Syringe, x 100/1000 (for use with PT 512)
PT606	Filter Holder, Luer, 2.5 cm dia
PT605	Filter 0.45µm membrane, 2.5 cm dia (Box of 50)
PT603	Filter Paper, GF/B, 2.5 cm dia (Pack of 50)
PT607	Filter Funnel, 7 cm diameter, plastic
PT618	Filter Paper, No 40, 11cm diameter (100 Circles)

Photometer Tablet Reagents

Photometer tablet reagents are available in two pack sizes. Starter Packs (PM codes) contain 50 tests plus any optional reagents or equipment needed. Replacement Packs (AP codes) contain reagents for 250 tests unless stated otherwise.



Test Name	Measurement Range	Starter Pack (50 tests)	Replacement Pack (up to 250 tests)
Alkalinity (Alkaphot M)	0 – 500 mg/L CaCO ₃	PM250	AP250
Alkalinity (Alkaphot P)	0 – 500 mg/L CaCO ₃	PM251	AP251
Total Alkalinity (Alkaphot)	0 – 500 mg/L CaCO ₃	PM188	AP188
Aluminium	0 – 0.5 mg/L Al	PM166	AP166
Ammonia	0 – 1.0 mg/L N	PM152	AP152
Bromine	0 – 10 mg/L Br ₂	PM060	AP060
Boron	0 – 2.5 mg/L B	PM190	AP190 (160 tests)
Calcium Hardness (Calcicol)	0 – 500 mg/L CaCO ₃	PM252	AP252
Chloride (Chloridol)	0 – 50,000 mg/L NaCl	PM268	AP268
Chlorine- Free (DPD 1)	0 – 5 mg/L Cl ₂	PM011	AP011
Chlorine- Free, extended range (DPD XF)	0 – 10 mg/L Cl ₂	PM013	AP013
Chlorine- Free, Combined & Total (DPD 1 & 3)	0 – 5 mg/L Cl ₂	PM031	AP031
Chlorine- Free, Combined & Total, extended range (DPD XF & XT)	0 – 10 mg/L Cl ₂	PM033	AP033
Chlorine- Monochloramine (DPD 2, requires DPD 1)	0 – 5 mg/L Cl ₂	-	AP021
Chlorine- Total (DPD 4)	0 – 5 mg/L Cl ₂	PM041	AP041
Chlorine- Total (DPD 3 only)	0 – 5 mg/L Cl ₂	-	AP031/1
Chlorine- Total, extended range (DPD XT only)	0 – 10 mg/L Cl ₂	-	AP033/1
Chlorine HR	0 – 250 mg/L Cl ₂	PM162	AP162
Chlorine Dioxide and Chlorite (DPD method)	0 – 10 mg/L ClO ₂	PM052	AP052
Chlorine Dioxide LR (Lissamine Green B method)	0 – 2.5 mg/L ClO ₂	PM064	AP064
Chlorine Dioxide HR (Lissamine Green B method)	2.5 – 20 mg/L ClO ₂	PM065	AP065
Chromium VI (Chromicol)	0 – 1.0 mg/L Cr	PM281	AP281
Colour	10 – 500 mg/L Pt Co (Hazen)	PM269	-
Copper – Free, Combined & Total (Coppercol)	0 – 5 mg/L Cu	PM186	AP186
Copper- Free	0 – 5 mg/L Cu	-	AP187
Cyanuric Acid	0 – 200 mg/L CYA	PM087	AP087
DEHA	0 – 500 ppb DEHA	PM275	AP275
Fluoride	0 – 1.5 mg/L F	PM179	AP179 (200 tests)
Hardness – Total (Hardicol)	0 – 500 mg/L CaCO ₃	PM254	AP254
Hydrazine	0 – 0.5 mg/L N ₂ H ₂	PM103 (30 tests)	AP103 (150 tests)
Hydrogen Peroxide LR	0 – 2 mg/L H ₂ O ₂	PM104	AP104

Test Name	Measurement Range	Starter Pack (50 tests)	Replacement Pack (250 tests)
Iron LR	0 – 1 mg/L Fe	-	AP155
Iron MR	0 – 5 mg/L Fe	PM292	AP292
Iron HR	0 – 10 mg/L Fe	PM156	AP156
Magnesium Hardness (Magnecol)	0 – 100 mg/L Mg	PM193	AP193
Manganese	0 – 0.03 mg/L Mn	PM173	AP173
Manganese HR	0 – 5 mg/L Mn	PM174	AP174
Molybdate LR	0 – 20 mg/L MoO ₄	PM258	AP258 (200 tests)
Molybdate HR	0 – 100 mg/L MoO ₄	PM175	AP175
Nickel (Nickeltest)	0 – 10 mg/L Ni	PM284	AP284 (200 tests)
Nitrate (Nitratetest)	0 – 20 mg/L N	PM163	AP163 (200 tests)
Nitrite (Nitricol)	0 – 0.5 mg/L N	PM109	AP109
Nitrite (Nitriphot)	0 – 1500 mg/L NaNO ₂	PM260	AP260
Organophosphonate (OP)	0 – 20 mg/L PO ₄	PM262	AP262
Ozone (DPD method)	0 – 2 mg/L O ₃	PM056	AP056
pH Phenol Red	pH 6.5 – 8.5	PM130	AP130
Phenol (Phenoltest)	0 – 5 mg/L C ₆ H ₅ OH	PM287	AP287 (200 tests)
PHMB (PHMB-PHOT)	0 – 100 mg/L active biocide	PM272	AP272
Phosphate LR	0 – 4 mg/L PO ₄	PM177	AP177 (200 tests)
Phosphate HR	0 – 100 mg/L PO ₄	PM114	AP114
Potassium	0 – 12 mg/L K	PM189	AP189
Silica	0 – 4 mg/L SiO ₂	PM181	AP181 (200 tests)
Silica HR	0 – 150 mg/L SiO ₂	PM290	AP290 (200 tests)
Sulfate	0 – 200 mg/L SO ₄	PM154	AP154
Sulf de	0 – 0.5 mg/L S	PM168	AP168 (200 tests)
Sulf te (Sulf test)	0 – 500 mg/L Na ₂ SO ₃	PM266	AP266
Zinc	0 – 4 mg/L Zn	PM148	AP148



Photometer reagents are supplied in starter packs comprising consumables sufficient for testing 50 samples, or replacement packs of 200/250 tests. Test instructions are only supplied with starter packs, and can be downloaded from www.palintest.com

Photometer Tubetest Reagents

For ultimate convenience the Palintest range of Tubetest reagents offer pre-dispensed reagents for minimal handling. Each tubetest reagent is barcoded for ease of use in wastewater applications.

For a complete wastewater analysis system, use Palintest tubetests with any Palintest multiparameter photometer and heater block. Tubetest reagents are supplied in 16mm diameter tubes with each parameter often available in a wide variety of ranges to suit the application requirements.



Test Name	Measurement Range	Part Code (25 tests)
Chemical Oxygen Demand (COD) Mercury Free for Low Chloride Samples		
COD/150	0 – 150 mg/L O ₂	PL450
COD/400	0 – 400 mg/L O ₂	PL452
COD/1000	0 – 1000 mg/L O ₂	PL453
COD/2000	0 – 2000 mg/L O ₂	PL454
COD/20000	0 – 20000 mg/L O ₂	PL456
Chemical Oxygen Demand (COD) Containing Mercury for Moderate Chloride Samples		
COD/150/M	0 – 150 mg/L O ₂	PL460
COD/400/M	0 – 400 mg/L O ₂	PL462
COD/1000/M	0 – 1000 mg/L O ₂	PL463
COD/2000/M	0 – 2000 mg/L O ₂	PL464
COD/20000/M	0 – 20000 mg/L O ₂	PL466
Chemical Oxygen Demand (COD) Containing Mercury for High Chloride Samples		
COD/150/2M	0 – 150 mg/L O ₂	PL461
COD/1000/2M	0 – 1000 mg/L O ₂	PL468
COD/2000/2M	0 – 2000 mg/L O ₂	PL465
COD/20000/2M	0 – 20000 mg/L O ₂	PL467
Chemical Oxygen Demand (COD) Standard Solutions		
(COD Concentration)		
COD Standard Solution, 125 mL	80 mg/L	PL470
COD Standard Solution, 125 mL	250 mg/L	PL472
COD Standard Solution, 125 mL	800 mg/L	PL474
COD Standard Solution, 125 mL	10000 mg/L	PL476

Test Name	Measurement Range	Part Code (25 tests)
Chemical Oxygen Demand (COD) Nutrients		
Ammonia 15N, Nessler Method	0 – 15 mg/L N	PL420
Ammonia 50N, Nessler Method	0 – 50 mg/L N	PL424
Ammonia 100N, Nessler Method	0 – 100 mg/L N	PL425
Ammonia 12N/50N, Indophenol Method	0 – 12 mg/L N 0 – 50 mg/L N	PL400
Nitrate 30N	0 – 30 mg/L N 0 – 150 mg/L NO ₃	PL404
Total Nitrogen 30N (use with PL 404)	0 – 30 mg/L N	PL408
Phosphate 12P	0 – 12 mg/L P	PL412
Total Phosphorus 12P	0 – 12 mg/L P	PL416
Chemical Oxygen Demand (COD) Heavy Metals		
Chromium VI (Cr ⁶⁺)	0 – 10 mg/L Cr	PL440
Total Chromium	0 – 10 mg/L Cr	PL436
Copper	0 – 20 mg/L Cu	PL427
Iron	0 – 25 mg/L Fe	PL434
Nickel	0 – 20 mg/L Ni	PL430
Zinc	0 – 7 mg/L Zn 0 – 35 mg/L Zn	PL442

Code	Tubetests Accessories	
PT 589	COD Accessory Set 0 - 2000 mg/L O ₂	Contains Workplace Mat, 2 mL Pipettor Tips, Metal Tubetests Rack, Thermometer (-10°C to 200°C), Standard Tubetests Heater, Safety Screen (PT 590), anodized aluminium heater block, power lead
PT 599	COD Accessory Set 0 - 20000 mg/L O ₂	
PT 590	Replacement safety screen for Standard Tubetests Heater	
PT 592 UK/EU/USA	Premium Tubetests Heater including integrated safety screen, anodized aluminium heater block, power lead. Available for compatibility with UK/EU/USA power leads.	

Other Liquid Reagents

Test Name	Measurement Range	Part Code (30 tests)	Part Code (1000 tests)
Dissolved Oxygen 0.8	0 – 0.8 mg/L O ₂	PL553	
Dissolved Oxygen 2.0	0 – 2.0 mg/L O ₂	PL503	
Dissolved Oxygen 20	0 – 20 mg/L O ₂	PL513	
Chlorine - Free (equivalent to DPD 1)	0 – 5 mg/L Cl ₂		AT015
Chlorine - Total (equivalent to DPD 3). Use in conjunction with AT 015	0 – 5 mg/L Cl ₂		AT035

Compact Ammonia+ Meter

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.

- Choice of operating ranges for measuring up to 100 mg/L.
- Simple, language free operation; suitable for all users
- Use with pre-formulated tubetest reagents for ease of use.



Tubetest reagents



Compact Ammonia Duo

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

Each of these methods is available in three different ranges, see reagents in table below.

- Nessler and Indophenol method analysis
- Simple, language free operation; suitable for all users
- Compatible with tablets and tubetest reagents



Tablet reagents



Tubetest reagents

Ordering Information



PTS041
Compact Ammonia+ Kit, Soft Case
Instrument, Tubetests Adaptor (PT 565), instruction manual. Supplied in a soft case with belt loop.



PTH041
Compact Ammonia+ Kit, Hard Case
Instrument, Tubetests Adaptor (PT 565), instruction manual. Supplied in a hard case.



PTC041
NDF Check Standards for Ammonia Meter
Neutral Density Filter Check Standards for Ammonia Meter. Supplied in hard case with certification.

Technical Specification

Measuring System	Single LED source, direct reading colorimeter
Ranges	0 - 15mg/L N 0 - 50 mg/L N 0 - 100mg/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) & Weight	65 x 150 x 40 mm, 200 g
Power Supply	2 x AA batteries

Ordering Information



PTS042
Compact Ammonia Duo Kit, Soft Case
Instrument, 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.



PTH042
Compact Ammonia Duo Kit, Hard Case
Instrument, Tubetests Adaptor (PT 565), 4 cuvettes, cuvette brush, crush/stirring rods, 50 tablet tests for ammonia, instruction manual. Supplied in a hard case.



PTC041
NDF Check Standards for Ammonia Meter
Neutral Density Filter Check Standards for Ammonia Meter. Supplied in hard case with certification.

Technical Specification

Measuring System	Dual LED source, direct reading colorimeter
Ranges	0 - 1mg/L N 0 - 12mg/L Indophenol 0 - 50 mg/L Indophenol 0 - 15mg/L Nessler 0 - 50 mg/L Nessler 0 - 100mg/L Nessler
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) & Weight	65 x 150 x 40 mm, 200 g
Power Supply	2 x AA batteries

Test Name	Measurement Range	Part Code (25 tests)
Ammonia 15N, Nessler Method	0 - 15mg/L N	PL 420
Ammonia 50N, Nessler Method	0 - 50 mg/L N	PL 424
Ammonia 100N, Nessler Method	0 - 100mg/L N	PL 425

Test Name	Measurement Range	Part Code (25 tests unless stated)
Ammonia Photometer Tablet Reagent	0 - 1mg/L N	AP152(250 tests)
Ammonia 12N/50N, Indophenol Method	0 - 12 and 0 - 50 mg/L N	PL400
Ammonia 15N, Nessler Method	0 - 15mg/L N	PL420
Ammonia 50N, Nessler Method	0 - 50 mg/L N	PL424
Ammonia 100N, Nessler Method	0 - 100mg/L N	PL425

Compact Chlorometer

The Compact Chlorometer ensures accurate analysis of free, combined and total chlorine in a simple-to-use portable photometer. Ideal for the field professional validating the safety of drinking water or wastewater.

- Compatible with tablets and tubetest reagents
- Measure free chlorine, monochloramine and/or total chlorine up to 5 mg/L chlorine
- Simple, language free operation; suitable for all users
- True chlorine calibration for the most accurate result



Tablet reagents



Liquid alternatives available

Ordering Information



PTS045D Compact Chlorometer Kit, Soft Case

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



PTH045D Compact Chlorometer Kit, Hard Case

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



PTC045 NDF Check Standards for Chlorometer

Neutral Density Filter Check Standards for Chlorometer. Supplied in hard case with certification.

Test Name	Measurement Range	Part Code (250 tests)
Chlorine- Free (DPD 1)	0 – 5 mg/L Cl ₂	AP011
Monochloramine (DPD 2 - use with DPD 1)	0 – 5 mg/L Cl ₂	AP021
Total Chlorine (DPD 3 - use with DPD 1)	0 – 5 mg/L Cl ₂	AP031/1
Free and Total Chlorine (DPD 1 & DPD 3)	0 – 5 mg/L Cl ₂	AP031
Total Chlorine (DPD 4)	0 – 5 mg/L Cl ₂	AP041
Free Chlorine - DPD 1 Liquid (A+B), 12 bottle pack		AT015 (1000 tests)
Total Chlorine - DPD 3 Liquid (C – use with AT 015), 12 bottle pack		AT035 (1000 tests)



Compact Chlorometer Duo

The Compact Chlorometer Duo offers the same benefits as the Compact Chlorometer with the addition of high range chlorine.

Providing analysis for drinking water compliance as well as for process water applications with higher levels of chlorine.

- Simple, language free operation; suitable for all users
- Waterproof and battery powered – ideal for field use
- Measure both high and low concentrations of chlorine



Tablet reagents



Liquid alternatives available

Technical Specification

Measuring System	Dual LED source, direct reading colorimeter
Ranges	0 - 5 mg/L ChLorine 0 – 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) & Weight	65 x 150 x 40 mm, 200 g
Power Supply	2 x AA batteries

Ordering Information



PTS027 Compact Chlorometer Duo Kit, Soft Case

Instrument, 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.



PTH027 Compact Chlorometer Duo Kit, Hard Case

Instrument, 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 a hard case.



PTC027 NDF Check Standards for Chlorometer Duo

Neutral Density Filter Check Standards for Chlorometer Duo. Supplied in hard case with certification.

Test Name	Measurement Range	Part Code (250 tests)	Part Code (1000 tests)
Chlorine- Free (DPD 1)	0 – 5 mg/L Cl ₂	AP011	
Monochloramine (DPD 2 - use with DPD 1)	0 – 5 mg/L Cl ₂	AP021	
Total Chlorine (DPD 3 - use with DPD 1)	0 – 5 mg/L Cl ₂	AP031/1	
Free and Total Chlorine (DPD 1 & DPD 3)	0 – 5 mg/L Cl ₂	AP031	
Total Chlorine (DPD 4)	0 – 5 mg/L Cl ₂	AP041	
Chlorine HR	0 – 250 mg/L Cl ₂	AP162	
Free Chlorine - DPD 1 Liquid (A+B), 12 bottle pack			AT015
Total Chlorine - DPD 3 Liquid (C – use with AT015), 12 bottle pack			AT035

Compact ClO₂+ Meter

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

- Measure chlorine or chlorine dioxide on a single instrument
- Simple tablet-based measurement methods for easy field analysis
- IP67 waterproof instrument for reliability in warm or humid environments



Tablet reagents



Ordering Information



PTS046 Compact ClO₂+Kit, Soft Case
Instrument, 2 cuvettes, cuvette brush, crush/stirring rods, 50 DPD 1tablets, 50 DPD 3 tablets, 50 DPD Glycine tablets, instructions. Supplied in a soft case with belt loop.



PTH046 Compact ClO₂+Kit, Hard Case
Instrument, 4 cuvettes, cuvette brush, crush/stirring rods, 100 DPD 1tablets, 100 DPD 3 tablets, 100 DPD Glycine tablets, instructions. Supplied in a hard case.



PTC046 NDF Check Standards for ClO₂+Meter
Neutral Density Filter Check Standards for ClO₂+Meter. Supplied in hard case with certification.

Test Name	Measurement Range	Part Code (250 tests)
Chlorine Dioxide and Chlorine - Free (DPD 1)	0 – 5 mg/L Cl ₂	AP011
Monochloramine(DPD 2 - use with DPD 1)	0 – 5 mg/L Cl ₂	AP021
Total Chlorine(DPD 3 - use with DPD 1)	0 – 5 mg/L Cl ₂	AP031/1
Free and Total Chlorine(DPD 1 & DPD 3)	0 – 5 mg/L Cl ₂	AP031
Total Chlorine(DPD 4)	0 – 5 mg/L Cl ₂	AP041
DPD Acidifying		AT052
DPD Glycine		AT056
DPD Neutralising		AT058

Compact Ozone Meter

The Compact Ozone meter provides ozone testing using the DPD method in a waterproof, portable instrument. This instrument is ideally suited to drinking water, wastewater treatment and bottled water production.

- Long cuvette pathlength for superb resolution at low levels
- Waterproof and battery powered – ideal for field use
- Simple, language free operation; suitable for all users



Tablet reagents



Ordering Information



PTS043 Compact Ozone Meter Kit, Soft Case
Instrument, 2 cuvettes, cuvette brush, crush/stirring rods, 100 tests for ozone, instructions. Supplied in a soft case with belt loop.



PTH043 Compact Ozone Meter, Hard Case
Instrument, 4 cuvettes with lids, cuvette brush, 4 crush rods, 200 DPD No 4 Tablets, Instructions. Supplied in a hard case.



PTC043 NDF Check Standards for Ozone Meter
Neutral Density Filter Check Standards for Ozone Meter. Supplied in hard case with certification.

Technical Specification

Measuring System	Dual LED source, direct reading colorimeter
Instrument Range	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) & Weight	65 x 150 x 40 mm, 200 g
Power Supply	2 x AA batteries

Test Name	Measurement Range	Part Code (250 tests)
Ozone	0 – 3 mg/L O ₃	AP056
DPD Glycine(250F)		AT056

Turbimeter Plus

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

- Fast and reliable results within 5 seconds
- Unique Quadoptix™ technology using four light paths through the samples for increased accuracy
- Specifically designed for field use with storage for 1000 results and battery power for approximately 10,000 tests
- USB connectivity for power and data downloads
- IP67 certified with a waterproof USB socket



USB data transfer



Tablet reagents



Tubetest reagents



Ordering Information



PTH092 Turbimeter Plus Kit

Instrument, 4 SDVB calibration standards, 4 sample test tubes, silicone oil, dilution tube, cleaning cloths, instructions. Supplied in a hard case.



PTC092 Turbimeter Plus Calibration Set

Replacement SDVB calibration standards provided in hard case with certificate.

Accessories

PT555

Sample Tubes - Pack of 5 glass test tubes with caps, 25mm (outer diameter) with 10mL graduation

PT120

Silicone oil, 10mL

PT663

Cuvette Brush
For cleaning test tubes, 120mm length

Technical Specification

Optical System	QuadoptiX™ optical system with two independent 860nm LED sources, ISO 7027 Compliant
Instrument Range	0.01– 1050 NTU
Display	High clarity LCD with backlight
User Interface	Soft key access with English, French and Spanish
Result Units	NTU, FNU, FTU, mg/L (TSS mode)
Modes	Turbidity (normal, average, continuous capture), Total Suspended Solids
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) & Weight	82 x 225 x 50mm, 340 g
Power Supply	2 x AA batteries or via USB

Combined Photometer Kits

Combine measurement of Turbidity and Total Suspended Solids with a range of disinfection or nutrient parameters. These kits provide an ideal solution for field validation of drinking water treatment, pipework contractors and wastewater compliance monitoring.



PTH7091 Turbimeter and Chlorometer Combined Kit.

See pages 20 and 24 for full product information. Supplied in a hard case.



PTH7092 Turbimeter and Chlorometer Duo Combined Kit.

See pages 21 and 24 for full product information. Supplied in a hard case.



PTH7093 Turbimeter and ClO₂+ Combined Kit.

See pages 22 and 24 for full product information. Supplied in a hard case.



PTH7094 Turbimeter and Ozone Combined Kit.

See pages 23 and 24 for full product information. Supplied in a hard case.



PTH7095 Turbimeter and Ammonia Duo Combined Kit.

See pages 19 and 24 for full product information. Supplied in a hard case.



PTH7096 Turbimeter and Ammonia+ Combined Kit.

See pages 18 and 24 for full product information. Supplied in a hard case.