



Palintest®

PORTABLE MONITORING KITS FOR
💧 BLUE DROP AND 🌱 GREEN DROP CERTIFICATION

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

Who we are

Palintest manufactures a range of advanced water and environmental testing equipment, and from its Tyneside base exports to over 100 countries across the globe. These products are used in a wide variety of applications to protect the environment and safeguard public health. Crucially Palintest are able to simplify testing for key water quality parameters, enabling critical water quality decisions to be made with confidence.



Part of the successful Halma plc. since 1983, Palintest can trace its Tyneside roots back to the 1870s with the Wilkinson & Simpson Ltd. manufacturing facility in Newcastle. The defining moment in the development of the modern day Palintest was during the 1950s when Dr Thomas Palin produced the world standard method for disinfection control, the so-called Palin System or DPD method.

Palintest today employs 100 people worldwide, with 86 being based at the main facility in Gateshead where all product development and manufacturing is carried out. To support export activities the company has branch offices in China, Australia, USA and the Middle East.

Principle company activities are:

Research, Development and Innovation

Since the invention of the DPD test for drinking water, Palintest has continued to innovate and deliver testing products that meet the needs of our users in terms of simplicity and reliability.

Manufacturing

A focus on lean manufacture and intense quality control to provide the shortest lead times for our customers. Products are tracked from raw material to final quality for full audit trail for every single test.

Logistics

Shipping to all corners of the globe with tracked deliveries and provision of international trade documentation such as Certificates of Origin.

After-Sales Support

We are dedicated to delivering the highest levels of customer support so please do not hesitate to contact us or our local partners for assistance.



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Compact Photometry and Nephelometry

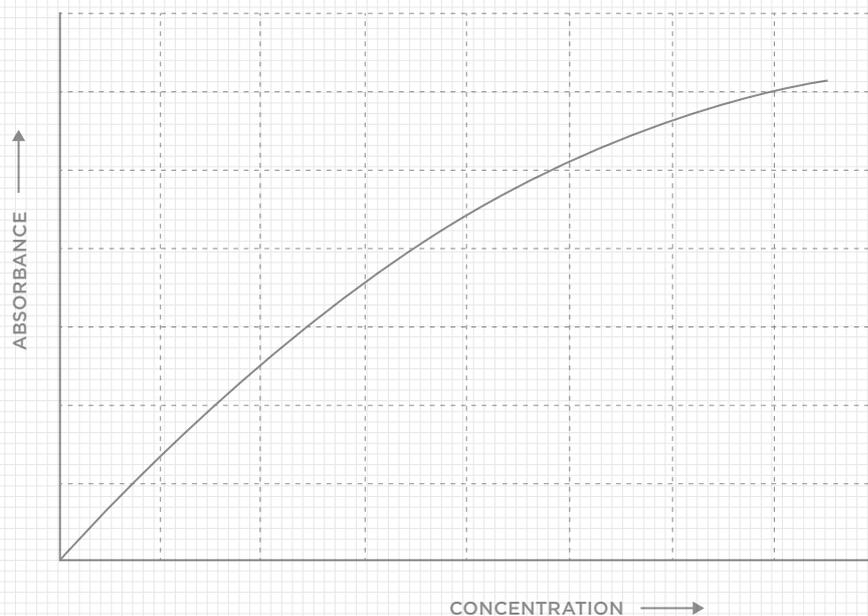
Photometric or colorimetric analysis is an incredibly powerful yet simple-to-use technique. The wide range of parameters possible make it ideal for providing the critical information required for drinking water, wastewater, environmental and process applications.

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 has many years of manufacturing experience for electronic photometers and has developed the technique to make it suitable for effective field use. Low power consumption, waterproof construction and self-diagnostic functionality combine to ensure the power of photometry and nephelometry are truly as portable as the sample.



Portable Blue Drop Monitoring Kit

A Blue Drop test kit for SANS 0241 compliance testing anywhere from catchment to consumer.



This portable kit consists of simple-to-use hand-held instrumentation ideal for routine drinking water monitoring and compliance with the Blue Drop Certification program.

The key features include:

- Advanced Turbidity/Total Suspended Solids (TSS) Turbimeter using the Palintest® QuadoptiX™ measurement system for accurate and stable turbidity readings
- Reliable Chlorine (Free and Total) measurement system using the international standard method (DPD) developed by Dr Palin
- Rapid measurement for pH and conductivity with robust probes

Kit Contents

Compact Chlorometer

Palintest 800 Multiparameter meter

Compact Turbimeter

All the accessories required including 5 glass cuvettes, sample container, 10ml syringe, test tube brush, crush rods, instruction manual, a pack for creating de-ionised water, silicone oil and Chlorometer Check Standards.

Calibration solutions for pH, conductivity and turbidity (SDVB)

All supplied in a hard case with reagents for 100 Free and 100 Total Chlorine tests.

[PTH 8099 Blue Drop Kit](#)

Technical Specifications

Compact Chlorometer	Test Range	0-5 mg/l
	Accuracy	+/- 0.05
	Wavelength	530nm
	Size (W x L x H)	150 x 65 x 40mm
	Weight	200g
	Power Supply	2 x 1.5V (AA) batteries (supplied)
Palintest 800 Multiparameter meter	Test Range	pH -2 to 16 Conductivity 0-199mS TDS 0-199.9ppt Temperature 0-100 °C
	Accuracy	pH ± 0.01 Conductivity ± 1% (full scale) + 1 LSD TDS ± 1% (full scale) + 1 LSD Temperature ± 0.3 °C
	Size (W x L x H)	190 x 100 x 60mm
	Weight	320g
	Power Supply	4 x 1.5V (AAA) batteries (supplied)
	Compact Turbimeter	Test Range
Accuracy		2% of reading
Measuring System		QuadoptiX™ measurement at 860nm (ISO 7027 compliant)
Size (W x L x H)		82 x 225 x 50mm
Weight		340g
Power Supply		2 x 1.5V (AA) batteries (supplied)

Consumables	50 pack	250 pack
Free and Total Chlorine reagents (DPD #1 and DPD #3)	PM 031	AP 031
pH 7 Calibration Solution (500ml)		PT 105/3
pH 4 Calibration Solution (500ml)		PT 105/1
pH 10 Calibration Solution (500ml)		PT 105/2
1413µS/cm Conductivity Calibration Solution (500ml)		PT 142/3
74 µS/cm Conductivity Calibration Solution (500ml)		PT 142/4
12.88mS/cm Conductivity Calibration Solution (500ml)		PT 142/2
Chlorometer Check Standards		PTC 045
Turbidity Calibration Standards		PTC 090

Portable Green Drop Monitoring Kit

A portable test kit comprising simple-to-use hand-held instrumentation, ideal for ensuring compliance with the Green Drop Certification program.



Designed to aid operational monitoring, the kit can also be customised by selecting from other 100 additional Palintest® parameters for use with the Photometer 7500.

The key features include:

- Customisable Photometer for in-situ and rapid measurements of Phosphate, Nitrate and Nitrite and Ammonia, using Palintest® test methods
- Waterproof and robust electrochemical meters for measuring critical water quality parameters including pH, Conductivity and Dissolved Oxygen
- All supplied in a rugged hard case suitable for field use with space for 4 other reagent packs (PM codes)

Kit Contents

Multiparameter Photometer

Palintest 800 Multiparameter meter

Micro 600 Dissolved Oxygen meter

All the accessories required including USB lead, 5 glass cuvettes, sample container, 10ml syringe, test tube brush and crush rods.

Calibration solutions for pH, conductivity and dissolved oxygen.

All supplied in a hard case with reagents for 50 Nitrate, Nitrite, Phosphate and Ammonia tests and space for more.

[PTH 8100 Green Drop Kit](#)

Technical Specifications

Multiparameter 7500 Photometer	Parameters Measured	Over 100 parameters and methods available
	User interface	On-screen prompts available in English, French, Spanish, Italian and German
	Results Units	g/l, mg/l, ppm, mmol/l, μ mol/l
	Test Cuvettes	Automatic centering for cylindrical cuvettes from 12 – 20mm OD
	Size (W x L x H)	150 x 250 x 70mm
	Weight	975g
	Power Supply	3 x 1.5V (AA) batteries (supplied)
Palintest 800 Multiparameter meter	Test Range	pH -2 to 16 Conductivity 0-199mS (Autoranging) TDS 0-199.9ppt (Autoranging) Temperature 0-100 °C
	Accuracy	pH \pm 0.01 Conductivity \pm 1% (full scale) + 1 LSD TDS \pm 1% (full scale) + 1 LSD Temperature \pm 0.3 °C
	Size (W x L x H)	190 x 100 x 60mm
	Weight	320g
	Power Supply	4 x 1.5V (AAA) batteries (supplied)
	Test Range	0 – 19.99mg/l (0-100% saturation)
Micro 600 Dissolved Oxygen meter	Accuracy	\pm 1.5% (full scale)
	Size (W x L x H)	157 x 85 x 42mm
	Weight	255g
	Power Supply	4 x 1.5V (AA) batteries (supplied)

Consumables*	50 pack	250 pack
Free and Total Chlorine reagents (0-5mg/l)	PM 031	AP 031
Iron MR reagents (0-5mg/l)	PM 292	AP 292
Alkalinity reagents (0-500mg/l)	PM 188	AP 188
Sulphide reagents (0-0.5mg/l)	PM 168	AP 168
Nitrate reagents (0-20mg/l as N)	PM 163	AP 163
Nitrite (0-5mg/l as N)	PM 109	AP 109
Phosphate (0-4mg/l)	PM 177	AP 177
Ammonia (0-1mg/l)	PM 152	AP 152

*Other reagents for different parameters are available.

Zero Oxygen Calibration Solution (500ml)	PT 125/3
pH 7 Calibration Solution (500ml)	PT 105/3
pH 4 Calibration Solution (500ml)	PT 105/1
pH 10 Calibration Solution (500ml)	PT 105/2
1413 μ S/cm Conductivity Calibration Solution 500ml)	PT 142/3
74 μ S/cm Conductivity Calibration Solution (500ml)	PT 142/4
12.88mS/cm Conductivity Calibration Solution (500ml)	PT 142/2
De-ion Pack	PT 500

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