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

Analysing critical water quality parameters
We offer a wide range of instruments covering all critical water quality parameters. Our compact and portable instruments are ideal for providing the critical information required for drinking water, wastewater, environmental and process applications.

Our compact photometers utilise photometric and colormetric analysis, providing reliable results for a range of disinfectants and water quality indicators.

Key benefits of Palintest hand-held meters:

Stable and repeatable calibration
No need for frequent re-calibration

Low detection limits
Measure even the slightest concentrations for key water quality parameters.

Visible analysis
The colour may be visible to the naked eye but a photometer removes the subjectivity and provides a much more accurate reading.

Product range
From multiparameter photometers to visual test kits, Palintest has a wide range of solutions for every application.

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

Application areas
- Drinking water
  Test kits for water treatment and supply
- Soil and irrigation
  Test kits for optimising crop yields
- Pool and spa
  Kits for commercial and residential sectors
- Process industries
  Test kits for industrial processes

Photometer feature key
- Tablet icon
  This instrument is compatible with tablet reagents.
- Tubetest icon
  This instrument is compatible with liquid tubetests reagents.
- Liquid icon
  This instrument is compatible with liquid reagents.
- USB icon
  This instrument includes a data transfer function via USB.
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.
- Data memory for the last 10 results.

Available in either a hard or soft case kit.

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. Key features of the product include:

- Simple operation – blank or measure with a single button
- IP67 rated waterproof and battery powered, making it ideal for field use
- Measure chlorine up to 250 mg/L on one meter.
- Easy to use tablet reagents with long term stability for up to 10 years.

Available in either a hard or soft case kit.

**Specification**

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

**Product**

- PTS 045D Compact Chlorometer Kit, Soft Case
  - Compact Chlorometer, 2 sample tubes, sample tube brush, crush/stirring rods, 50 tests for free and total chlorine, instructions. Supplied in soft case with belt loop.

- PTS 027 Compact Chlorometer Duo Kit, Soft Case
  - Compact Chlorometer Duo, 2 sample tubes, sample tube brush, crush/stirring rods, 20 tests for free and total chlorine, 20 tests for chlorine (high range), instructions. Supplied in soft case with belt loop.

- PTH 045D Compact Chlorometer Kit, Hard Case
  - Compact Chlorometer, 4 sample tubes, sample tube brush, crush/stirring rods, 100 tests for free and total chlorine, instructions. Supplied in hard case.

- PTH 027 Compact Chlorometer Duo Kit, Hard Case
  - Compact Chlorometer Duo, 4 sample tubes, sample tube brush, crush/stirring rods, 100 tests for free and total chlorine, 100 tests for chlorine (high range), instructions. Supplied in hard case.
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
- Intuitive and easy to use with only 4 buttons
- Accessories include the unique Neutral Density Filter (NDF) check standards for validation in the field

Available in either a hard or soft case kit.

Product

PTS 046 Compact ClO2+ Meter Kit, Soft Case
Compact ClO2+ Meter, 2 sample tubes, sample tube 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, Hard Case
Compact ClO2+ Meter, 4 sample tubes, sample tube brush, crush/stirring rods, 200 tests for ozone, instructions. Supplied in a hard case.

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 with long term stability
- Long sample tube pathlength for superb resolution at low levels
- Waterproof to IP67 and battery powered – take the Compact Ozone meter anywhere.
- Single tablet method with the option of correcting chlorine or bromine in the sample
- Accessories include the unique Neutral Density Filter (NDF) check standards for validation in the field

Available in either a hard or soft case kit.

Specification

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

Product

PTS 043 Compact Ozone Meter Kit, Soft Case
Compact Ozone Meter, 2 sample tubes, sample tube brush, crush/stirring rods, 100 tests for ozone, instructions. Supplied in a soft case with belt loop.

PTS 043 Compact Ozone Meter Kit, Hard Case
Compact Ozone Meter, 4 sample tubes, sample tube brush, crush/stirring rods, 200 tests for ozone, instructions. Supplied in a hard case.
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. Tubetests sold separately.

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
- Kit includes the unique Neutral Density Filter (NDF) check standards for validation in the field

Available in a soft case or hard case kit with all the components required to start testing immediately.

### Specification

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

### Contents

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

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. Turbidity and Total Suspended Solids (TSS) are two of the most important indicator parameters for water quality monitoring.

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

Specification

<table>
<thead>
<tr>
<th>Measuring System</th>
<th>Quadoptix™ optical system with two independent 860nm LED sources, ISO 7027 Compliant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ranges</td>
<td>0.01 – 1050 NTU</td>
</tr>
<tr>
<td>Display</td>
<td>High clarity LCD with backlight</td>
</tr>
<tr>
<td>User Interface</td>
<td>Soft key access with English, French, and Spanish language options</td>
</tr>
<tr>
<td>Data Storage</td>
<td>1000 results and last 12 good calibrations</td>
</tr>
<tr>
<td>Size (W x L x H)</td>
<td>82 x 225 x 50mm, 340 g</td>
</tr>
<tr>
<td>Weight</td>
<td>200 g (including batteries)</td>
</tr>
<tr>
<td>Power Supply</td>
<td>2 x AA batteries or via USB port</td>
</tr>
</tbody>
</table>

Contents

PTH 092 Turbimeter Plus Kit, Hard Case
- Turbimeter Plus instrument, 4 SDVB calibration standards, 4 sample tubes (PT 555), silicone oil (PT 120), dilution tube (PT 512), cleaning cloths, instructions and USB cable. Supplied in a hard case.

Calibration Set

PTH 092 Turbimeter Plus calibration set
- SDVB Calibration set for the Turbimeter Plus

Combination Photometer Kits

Combine 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/Chlorometer Kit, Hard Case
- Turbimeter Plus, SDVB calibration standards (x4), sample tubes (x4), silicone oil, dilution tube, cleaning cloths, Compact Chlorometer, sample tube brush, crush/stirring rods, 100 tests for free and total chlorine, and instructions.
- Supplied in a hard case.

PTH7092
- Turbimeter/Chlorometer Duo Kit, Hard Case
- Turbimeter Plus, 4 SDVB calibration standards, 4 sample tubes, silicone oil, dilution tube, cleaning cloths, Compact Chlorometer Duo, sample tube brush, crush/stirring rods, 50 tests for free and total chlorine (standard range), 50 tests for chlorine (high range), and instructions.
- Supplied in a hard case.

Ordering Information

- Turbimeter/ClO2+ Meter Kit, Hard Case PTH7093
- Turbimeter/Ozone Meter Kit, Hard Case PTH7094
- Turbimeter/Ammonia+ Meter Kit, Hard Case PTH7095
- Turbimeter/Ammonia Duo Kit, Hard Case PTH7096

More combined photometers kits available.
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 sample tube 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 way to validate meter performance.

Spare 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.

Packages

<table>
<thead>
<tr>
<th>Packages</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTC 045 NDF Check Standards for Compact Chlorometer</td>
<td>Validation standards for Compact Chlorometer. Supplied in hard case with certification.</td>
</tr>
<tr>
<td>PTC 027 NDF Check Standards for Compact Chlorometer Duo</td>
<td>Validation standards for Compact Chlorometer Duo. Supplied in hard case with certification.</td>
</tr>
<tr>
<td>PTC 043 NDF Check Standards for Compact Ozone Meter</td>
<td>Validation standards for Compact Ozone Meter. Supplied in hard case with certification.</td>
</tr>
<tr>
<td>PTC 046 NDF Check Standards for Compact ClO2+ Meter</td>
<td>Validation standards for Compact ClO2+ Meter. Supplied in hard case with certification.</td>
</tr>
<tr>
<td>PTC 041 NDF Check Standards for Compact Ammonia Range</td>
<td>Validation standards for Compact Ammonia Meter, Compact Ammonia + Meter and Compact Ammonia Duo Meter. Supplied in hard case with certification.</td>
</tr>
</tbody>
</table>

See www.palintest.com for the full range of spares and accessories.
For further information and support, get in touch with a member of our team:

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Annual calibration and service will keep your instrument operating at the peak of performance.