

# Palintest

Water Analysis Technologies



## MULTIPARAMETER PHOTOMETERS

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 •China •Australia



### Application areas



#### Drinking water

Test kits for water treatment and supply



#### Soil and irrigation

Test kits for optimising crop yields



#### Pool and spa

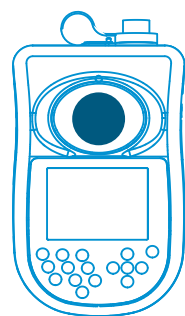
Kits for commercial and residential sectors



#### Process industries

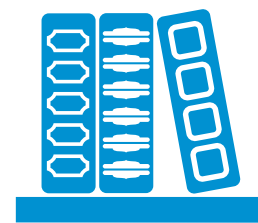
Test kits for industrial processes

### 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.

## Analysing critical water quality parameters

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

Our multiparameter photometers utilise photometric and colorimetric analysis; providing repeatable and reliable results for over 100 tests.

### Key benefits of Palintest photometers:

#### 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.

### Photometer feature key



#### Tablet icon

This instrument is compatible with tablet reagents.



#### Tubetest icon

This instrument is compatible with liquid tubetests reagents.



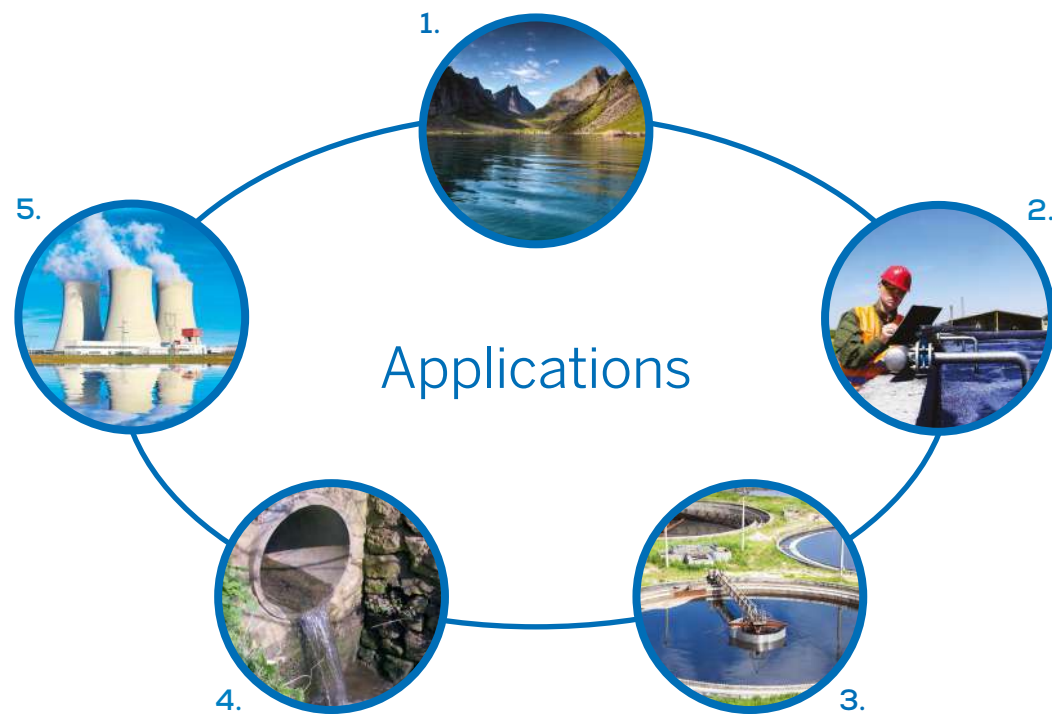
#### Liquid icon

This instrument is compatible with liquid reagents.



#### USB icon

This instrument includes a data transfer function via USB.



## Applications

### 1. Raw water abstraction

Drinking water originates from a variety of sources; fresh water extracted from rivers and lakes, seawater treated using desalination or a natural wells and springs used for local supply.

### 2. Drinking Water Treatment

Drinking water treatment ensures the raw water abstracted is suitable for human consumption. This can involve flocculation and clarification, filtration and disinfection. Once the water adequately is disinfected, the water can be distributed and may be further tested at the point of use.

### 3. Domestic Wastewater Treatment

The treatment of domestic wastewater aims to reduce organic material so it is suitable for discharge back into the environment. Removing organics along with reducing nutrients are the primary goals of domestic wastewater treatment.

### 4. Industrial Wastewater Effluent

Industrial wastewater has the same aim as domestic wastewater treatment but can have unique additional contaminants. Water discharged into the environment must be monitored for impact on oxygen demand to protect aquatic life.

### 5 Managing Processes involving Water

Processes such as food & beverage production and energy generation require water as an essential part of the process. Testing throughout the process ensures maximum efficiency and yield.

## Choose your Multiparameter photometer



| Features                               | Photometer 7100 | Photometer 7500 |
|--|-----------------|-----------------|
| Battery Power                          | •               | •               |
| Number of Methods                      | > 100           | > 100           |
| Sample ID                              | •               | •               |
| Frequently Used Test List/Hot Keys     | •               | •               |
| Multiple Date Formats                  | •               | •               |
| Automatic Method Set-Up                | •               | •               |
| Timer                                  | •               | •               |
| Automatic Read After Development Timer | •               | •               |
| Date/Time                              | •               | •               |
| Backlight with User Control            | •               | •               |
| Accessible Optical Bench for Cleaning  | •               | •               |
| Automatic Sample Tube Centering        | •               | •               |
| Numeric/Select Key Interface           | •               | •               |
| Connectivity                           |                 | USB             |
| Mains Power                            |                 | Via USB port    |
| Bi-directional Serial Communication    |                 | •               |
| User Defined Tests                     |                 | 30              |
| CSV Format Data Download               |                 | •               |
| User Access Control Lock               | •               | •               |
| Result Log                             |                 | •               |
| Drag and Drop Method Update            |                 | •               |
| RS232 Connectivity                     |                 |                 |
| Barcode reader for Tubetests®          |                 |                 |
| Touchscreen interface                  |                 |                 |
| User Favourite Test List               |                 |                 |
| Selectable Data Download               |                 | •               |
| Memory Capacity                        | 100             | 500             |

# Photometer 7500

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



The Photometer 7500 includes over 100 tests with the capability to add your own tests to the instrument.

**Features include:**

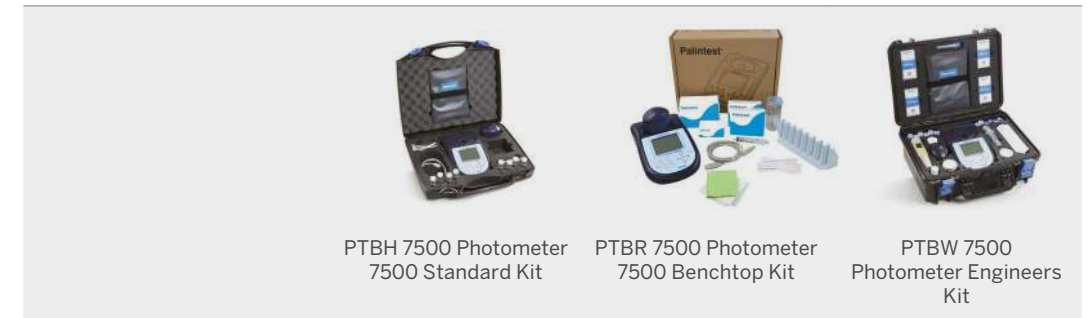
- Downloadable data log with 500 results (including time and date of test)
- Develop your own tests - load them via the USB port into your photometer with a simple software tool



**Technical Specification**

|                             |   |
|-----------------------------|---|
| Instrument Type             | Dual light source photometer offering direct-reading of pre-programmed test calibrations, Absorbance and Transmittance.   |
| Peak Wavelengths            | 450nm, 500nm, 550nm, 570nm, 600nm, 650nm  |
| 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, German, Italian, Turkish and Mandarin (Chinese).                 |
| Size (W x L x H) and weight | 150 x 250 x 70mm, 975g  |
| IP Rating                   | IP67  |
| Power Supply                | 3 x 1.5v 'AA' batteries (typically 40 hours), mains power delivered by USB port   |
| Connectivity                | USB for data download   |
| User Defined Methods        | Up to 30 additional methods   |
| Memory Capacity             | Up to 500 data sets. Each data set includes date, time, Sample ID, Operator ID, method number, method name, result, units |
| Sample Tubes                | Automatic centering for cylindrical sample tubes from 13 – 20mm OD  |

**Kit contents**



|  | PTBH 7500 Photometer 7500 Standard Kit | PTBR 7500 Photometer 7500 Benchtop Kit | PTBW 7500 Photometer Engineers Kit |
|--|--|--|------------------------------------|
| Photometer 7500                                      | •                                      | •                                      | •                                  |
| Sample Tube  | 8                                      | 10                                     | 8                                  |
| Sample Tube Rack                                     |  | •                                      | •                                  |
| Lint Free Polishing Cloth                            | •                                      | •                                      | •                                  |
| Absorbent Cloth                                      | •                                      | •                                      | •                                  |
| 20 mL Syringe  |  |  | •                                  |
| 10 mL Syringe  | •                                      | •                                      | •                                  |
| Dilution Tube  | •                                      | •                                      | 2                                  |
| Sample Tube Brush                                    | •                                      | •                                      | •                                  |
| Crush/Stir Rod                                       | •                                      | •                                      | •                                  |
| USB Lead   | •                                      | •                                      |                                    |
| Waterproof USB Lead                                  |  |  | •                                  |
| USB Power Adaptor                                    |  | •                                      | •                                  |
| De-ion Pack  |  |  | •                                  |
| Multiparameter (pH, EC, TDS, Salinity) Pocket Sensor |  |  | •                                  |
| pH and Conductivity Calibration Solutions            |  |  | •                                  |
| Check Standard Set                                   |  |  | •                                  |
| Hard Carry Case                                      | •                                      |  |                                    |
| Transport Carton                                     |  | •                                      |                                    |
| IP67 Carry Case                                      |  |  | •                                  |

**Ordering Information**

|           |                               |
|-----------|-------------------------------|
| PTBW 7500 | Photometer 7500 Engineers Kit |
| PTBH 7500 | Photometer 7500 Standard Kit  |
| PTBR 7500 | Photometer 7500 Benchtop Kit  |





# Photometer 7100

Whether for drinking water, wastewater, effluent, process water or environmental analysis, the Photometer 7100 provides the complete range of test parameters in a waterproof instrument



Simple to use, robust in construction and designed for on-site analysis. The Photometer 7100 provides quick and dependable results, which enables decisions on water quality to be made with confidence.

#### Features include:

- Simple operation with automatic setup for each test. Designed for Palintest reagent systems in tablet form or liquid based tubetests reagents with its adaptive cell holder
- Rapid access to frequently used tests from a choice of over 100 methods
- Waterproof to IP67, protecting the instrument from water damage

Available as benchtop kit with all necessary accessories, or in a carry case for portable use with additional spaces for carrying reagents.



Tablet reagents



Liquid reagents



Tubetests reagents

#### Technical Specification

|                             |   |
|-----------------------------|---|
| Instrument Type             | Dual light source photometer offering direct-reading of pre-programmed test calibrations, Absorbance and Transmittance. |
| Wavelengths                 | 450nm, 500nm, 550nm, 570nm, 600nm, 650nm  |
| 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, German, Italian, Turkish and Mandarin (Chinese).               |
| Size (W x L x H) and weight | 150 x 250 x 70mm, 975g  |
| IP Rating                   | IP67  |
| Power Supply                | 3 x 1.5v 'AA' batteries (typically 40 hours)  |
| Sample Tubes                | Automatic centering for cylindrical sample tubes from 13 – 20mm OD  |

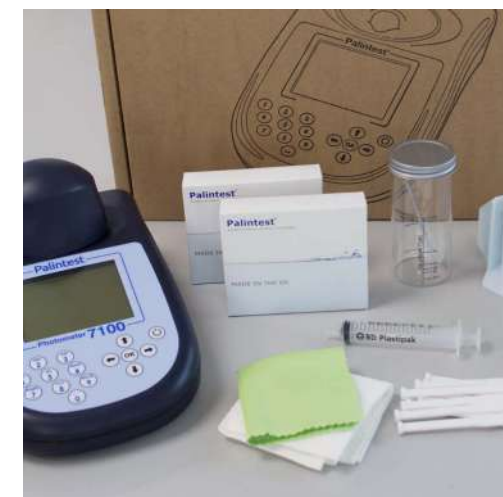
#### Kit contents



| Photometer 7100 Instrument | PTR 7100 Photometer 7100 Benchtop Kit | PTH 7100 Photometer 7100 Standard Kit |
|----------------------------|---------------------------------------|---------------------------------------|
| Sample Tubes               | 10                                    | 8                                     |
| Sample Tube Rack           | •                                     | •                                     |
| 10 mL Syringe              | •                                     | •                                     |
| Dilution Tube              | •                                     | •                                     |
| Sample Tube Brush          | •                                     | •                                     |
| Crush/Stir Rod             | •                                     | •                                     |
| Hard Carry Case            | •                                     | •                                     |
| Transport Carton           | •                                     | •                                     |

#### Ordering Information

|          |                              |
|----------|------------------------------|
| PTH 7100 | Photometer 7100 Standard Kit |
| PTR 7100 | Photometer 7100 Benchtop Kit |



# Photometer Reagents

Photometer tablet reagents are available in two general pack sizes, the Starter Pack (PM code) and the Replacement Pack (AP code).

| Name  | Range                          | Starter Pack (50 tests) | Replacement Pack (250 tests) |
|---|--------------------------------|-------------------------|------------------------------|
| M – Alkalinity (Alkaphot M)   | 0 – 500 mg/L CaCO <sub>3</sub> | PM 250                  | AP 250                       |
| P – Alkalinity (Alkaphot P)   | 0 – 500 mg/L CaCO <sub>3</sub> | PM 251                  | AP 251                       |
| Total Alkalinity (Alkaphot)   | 0 – 500 mg/L CaCO <sub>3</sub> | PM 188                  | AP 188                       |
| Aluminium   | 0 – 0.5 mg/L Al                | PM 166                  | AP 166                       |
| Ammonia   | 0 – 1.0 mg/L N                 | PM 152                  | AP 152                       |
| Bromine   | 0 – 10 mg/L Br <sub>2</sub>    | PM 060                  | AP 060                       |
| Boron   | 0 – 2.5 mg/L B                 | PM 190                  | AP 190 (160 tests)           |
| Calcium Hardness (Calcicol)   | 0 – 500 mg/L CaCO <sub>3</sub> | PM 252                  | AP 252                       |
| Chloride (Chloridol)  | 0 – 50,000 mg/L NaCl           | PM 268                  | AP 268                       |
| Chlorine - Free (DPD 1)   | 0 – 5 mg/L Cl <sub>2</sub>     | PM 011                  | AP 011                       |
| Chlorine – Free, extended range (DPD XF)                                | 0 – 10 mg/L Cl <sub>2</sub>    | PM 013                  | AP 013                       |
| Chlorine – Free, Combined and Total (DPD 1 and DPD 3)                   | 0 – 5 mg/L Cl <sub>2</sub>     | PM 031                  | AP 031                       |
| Chlorine – Free, Combined and Total, extended range (DPD XF and DPD XT) | 0 – 10 mg/L Cl <sub>2</sub>    | PM 033                  | AP 033                       |
| Chlorine – Total (DPD 4)  | 0 – 5 mg/L Cl <sub>2</sub>     | PM 041                  | AP 041                       |
| Chlorine – Total (DPD 3 only)   | 0 – 5 mg/L Cl <sub>2</sub>     | -                       | AP 031/1                     |
| Chlorine – Total, extended range (DPD XT only)                          | 0 – 10 mg/L Cl <sub>2</sub>    | -                       | AP 033/1                     |
| Chlorine HR   | 0 – 250 mg/L Cl <sub>2</sub>   | PM 162                  | AP 162                       |
| Chlorine Dioxide and Chlorite (DPD method)                              | 0 – 10 mg/L ClO <sub>2</sub>   | PM 052                  | AP 052                       |
| Chlorine Dioxide LR (Lissamine Green B method)                          | 0 - 2.5 mg/L ClO <sub>2</sub>  | PM 064                  | AP 064                       |
| Chlorine Dioxide HR (Lissamine Green B method)                          | 2.5 - 20 mg/L ClO <sub>2</sub> | PM 065                  | AP 065                       |



| Name  | Range  | Starter Pack (50 tests) | Replacement Pack (250 tests) |
|---|--|-------------------------|------------------------------|
| Chromium VI (Chromicol)                       | 0 - 1.0 mg/L Cr                              | PM 281                  | AP 281                       |
| Colour  | 10 – 500 Hazen Units/<br>10 – 500 mg/L PtCo  | PM 269                  | -                            |
| Copper – Free, Combined and Total (Coppercol) | 0 – 5 mg/L Cu                                | PM 186                  | AP 186                       |
| Copper - Free                                 | 0 – 5 mg/L Cu                                | -                       | AP 187                       |
| Cyanuric Acid                                 | 0 - 200 mg/L CNA                             | PM 087                  | AP 087                       |
| DEHA  | 0 – 500 ppb DEHA                             | PM 275                  | AP 275                       |
| Fluoride                                      | 0 – 1.5 mg/L F                               | PM 179                  | AP 179 (200 tests)           |
| Hardness – Total (Hardicol)                   | 0 – 500 mg/L CaCO <sub>3</sub>               | PM 254                  | AP 254                       |
| Hydrazine                                     | 0 – 0.5 mg/L N <sub>2</sub> H <sub>2</sub>   | PM 103 (30 tests)       | AP 103 (150 tests)           |
| Hydrogen Peroxide LR                          | 0 – 2 mg/L H <sub>2</sub> O <sub>2</sub>     | PM 104                  | AP 104                       |
| Hydrogen Peroxide HR                          | 0 – 100 mg/L H <sub>2</sub> O <sub>2</sub>   | PM 105                  | AP 105                       |
| Iron LR                                       | 0 – 1 mg/L Fe                                | -                       | AP 155                       |
| Iron MR                                       | 0 – 5 mg/L Fe                                | PM 292                  | AP 292                       |
| Iron HR                                       | 0 – 10 mg/L Fe                               | PM 156                  | AP 156                       |
| Magnesium Hardness (Magnecol)                 | 0 – 500 mg/L CaCO <sub>3</sub>               | PM 193                  | AP 193                       |
| Manganese                                     | 0 – 0.03 mg/L Mn                             | PM 173                  | AP 173                       |
| Manganese HR                                  | 0 – 5 mg/L Mn                                | PM 174                  | AP 174                       |
| Molybdate LR                                  | 0 – 20 mg/L MoO <sub>4</sub>                 | PM 258                  | AP 258 (200 tests)           |
| Molybdate HR                                  | 0 – 100 mg/L MoO <sub>4</sub>                | PM 175                  | AP 175                       |
| Nickel (Nickeltest)                           | 0 – 10 mg/L Ni                               | PM 284                  | AP 284                       |
| Nitrate (Nitratetest)                         | 0 – 20 mg/L N                                | PM 163                  | AP 163 (200 tests)           |
| Nitrite (Nitricol)                            | 0 – 0.5 mg/L N                               | PM 109                  | AP 109                       |
| Nitrite (Nitriphot)                           | 0 – 1500 mg/L NaNO <sub>2</sub>              | PM 260                  | AP 260                       |
| Organophosphonate (OP)                        | 0 – 20 mg/L PO <sub>4</sub>                  | PM 262                  | AP 262                       |
| Ozone (DPD method)                            | 0 – 2 mg/L O <sub>3</sub>                    | PM 056                  | AP 056                       |
| pH Phenol Red                                 | pH 6.5 – 8.5                                 | PM 130                  | AP 130                       |
| Phenol (Phenoltest)                           | 0 – 5 mg/L C <sub>6</sub> H <sub>5</sub> OH  | PM 287                  | AP 287 (200 tests)           |
| PHMB (PHMB-PHOT)                              | 0 – 100 mg/L active biocide                  | PM 272                  | AP 272                       |
| Phosphate LR                                  | 0 – 4 mg/L PO <sub>4</sub>                   | PM 177                  | AP 177 (200 tests)           |
| Phosphate HR                                  | 0 – 100 mg/L PO <sub>4</sub>                 | PM 114                  | AP 114                       |
| Potassium                                     | 0 – 12 mg/L K                                | PM 189                  | AP 189                       |
| Silica  | 0 – 4 mg/L SiO <sub>2</sub>                  | PM 181                  | AP 181 (200 tests)           |
| Silica HR                                     | 0 – 150 mg/L SiO <sub>2</sub>                | PM 290                  | AP 290 (200 tests)           |
| Sulphate                                      | 0 – 200 mg/L SO <sub>4</sub>                 | PM 154                  | AP 154                       |
| Sulphide                                      | 0 – 0.5 mg/L S                               | PM 168                  | AP 168 (200 tests)           |
| Sulphite (Sulphitest)                         | 0 – 500 mg/L Na <sub>2</sub> SO <sub>3</sub> | PM 266                  | AP 266                       |
| Zinc  | 0 – 4 mg/L Zn                                | PM 148                  | AP 148                       |

## Liquid Reagents

| Description   | Range                       | Part Code (30 tests) |
|---|-----------------------------|----------------------|
| Dissolved Oxygen 0.8  | 0 – 0.8 mg/L O <sub>2</sub> | PL 553               |
| Dissolved Oxygen 0.8  | 0 – 2.0 mg/L O <sub>2</sub> | PL 503               |
| Dissolved Oxygen 2.0  | 0 – 20 mg/L O <sub>2</sub>  | PL 513               |
| Chlorine - Free (equivalent to DPD 1)   | 0 – 5 mg/L Cl <sub>2</sub>  | AT 015 (1200 tests)  |
| Chlorine - Total (equivalent to DPD 3)<br>Must be used in conjunction with AT 015 | 0 – 5 mg/L Cl <sub>2</sub>  | AT 035 (1200 tests)  |
| Chlorine – Free and Total<br>(equivalent to DPD 1 & DPD 3)                        | 0 – 5 mg/L Cl <sub>2</sub>  | AT 016 (1000 tests)  |

# Tubetests

For ultimate convenience the Palintest range of Tubetests reagents offer pre-dispensed reagents for minimal handling with barcoded reagent labelling for ease of use in wastewater applications.

For wastewater parameters such as Chemical Oxygen Demand (COD), nutrients and Heavy Metals the Tubetests range provides the complete solution.

#### Features include:

- 16mm OD tubes for improved resolution – larger diameter tubes are more sensitive in the lower part of the measuring range
- Full range of accessory heater blocks, tube racks, workplace mats and pipettes to provide the complete solution for Tubetests analysis

Available in packs of 25 tests, the Tubetests range of reagents supports the activities of any effluent monitoring laboratory. Add any multiparameter photometer to your heater block and reagents for a complete wastewater analysis system.

#### Tubetests Reagents

| Mercury Free for Low Chloride Samples            | Range                         | Part Code |
|--|-------------------------------|-----------|
| COD/150  | 0 – 150 mg/L O <sub>2</sub>   | PL 450    |
| COD/400  | 0 – 400 mg/L O <sub>2</sub>   | PL 452    |
| COD/1000   | 0 – 1000 mg/L O <sub>2</sub>  | PL 453    |
| COD/2000   | 0 – 2000 mg/L O <sub>2</sub>  | PL 454    |
| COD/20000  | 0 – 20000 mg/L O <sub>2</sub> | PL 456    |
| Containing Mercury for Moderate Chloride Samples | Range                         | Part Code |
| COD/150/M  | 0 – 150 mg/L O <sub>2</sub>   | PL 460    |
| COD/400/M  | 0 – 400 mg/L O <sub>2</sub>   | PL 462    |
| COD/1000/M                                       | 0 – 1000 mg/L O <sub>2</sub>  | PL 463    |
| COD/2000/M                                       | 0 – 2000 mg/L O <sub>2</sub>  | PL 464    |
| COD/20000/M                                      | 0 – 20000 mg/L O <sub>2</sub> | PL 466    |

| Containing Mercury for High Chloride Samples | Range   | Part Code |
|--|---|-----------|
| COD/150/2M                                   | 0 – 150 mg/L O <sub>2</sub>                   | PL 461    |
| COD/1000/2M                                  | 0 – 1000 mg/L O <sub>2</sub>                  | PL 468    |
| COD/2000/2M                                  | 0 – 2000 mg/L O <sub>2</sub>                  | PL 465    |
| COD/20000/2M                                 | 0 – 20000 mg/L O <sub>2</sub>                 | PL 467    |
| COD Standard Solutions (COD Concentration)   | Nominal COD Concentration                     | Part Code |
| COD Standard Solution, 125 mL                | 80 mg/L                                       | PL 470    |
| COD Standard Solution, 125 mL                | 250 mg/L                                      | PL 472    |
| COD Standard Solution, 125 mL                | 800 mg/L                                      | PL 474    |
| COD Standard Solution, 125 mL                | 10000 mg/L                                    | PL 476    |
| Nutrients                                    | Range   | Part Code |
| Ammonia 15N, Nessler Method                  | 0 – 15 mg/L N                                 | PL 420    |
| Ammonia 50N, Nessler Method                  | 0 – 50 mg/L N                                 | PL 424    |
| Ammonia 100N, Nessler Method                 | 0 – 100 mg/L N                                | PL 425    |
| Ammonia 12N/50N, Indophenol Method           | 0 – 12 mg/L N<br>0 – 50 mg/L N                | PL 400    |
| Nitrate 30N                                  | 0 – 30 mg/L N<br>0 – 150 mg/L NO <sub>3</sub> | PL 404    |
| Total Nitrogen 30N (use with PL 404)         | 0 – 30 mg/L N                                 | PL 408    |
| Phosphate 12P                                | 0 – 12 mg/L P                                 | PL 412    |
| Total Phosphorus 12P                         | 0 – 12 mg/L P                                 | PL 416    |
| Heavy Metals                                 | Range   | Part Code |
| Chromium VI (Cr <sup>6+</sup> )              | 0 – 10 mg/L Cr                                | PL 440    |
| Total Chromium                               | 0 – 10 mg/L Cr                                | PL 436    |
| Copper                                       | 0 – 20 mg/L Cu                                | PL 427    |
| Iron   | 0 – 25 mg/L Fe                                | PL 434    |
| Nickel                                       | 0 – 20 mg/L Ni                                | PL 430    |
| Zinc   | 0 – 7 mg/L Zn<br>0 – 35 mg/L Zn               | PL 442    |



# Photometer Calibration Check Standards

Check that your instrument is within range with Palintest Check Standards. Photometers can be validated in the field using the unique Neutral Density Filter Check Standards.

- Validate the performance of your photometer and guarantee the quality of your results
- Traceable to National Physical Laboratory (NPL) standards for a full audit trail
- Specific sets and tolerances for individual photometer models
- Indefinitely stable, check standards are not affected by temperature



PT 804 Photometer 7500/Photometer 7100 Check Standards

Certified Check Standard Set, supplied in protective case in sealed vials. Includes three standards and blank.

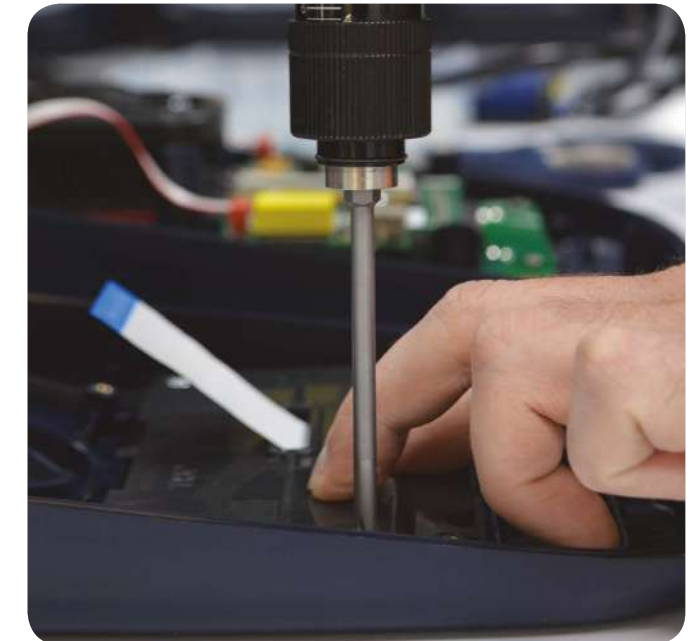
**2  
Year  
Warranty**

Register your Photometer to take advantage of the 2 year warranty and access our full range of technical support.

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

06232 Photometer 7500/ Photometer 7100 Instrument Service and Calibration

For Photometer 7500 and Photometer 7100. Includes multipoint recalibration using traceable standards, inspection and test with issue of new calibration certificate.



See [www.palintest.com](http://www.palintest.com) for the full range of spares and accessories



Stay in touch @Palintest





# Palintest

Water Analysis Technologies

A HALMA COMPANY

[www.palintest.com](http://www.palintest.com)

**Palintest Australia**

1/53 Lorraine Street  
Peakhurst Business Centre  
Peakhurst  
NSW 2210  
Australia

+61 1300 13 15 16  
[palintest@palintest.com.au](mailto:palintest@palintest.com.au)

**Palintest China**

Room 1711  
Fanli Mansion  
22 Chaowai Street  
Chaoyang District  
Beijing 100020, PRC

+86 10 6588 6200  
[china@palintest.com](mailto:china@palintest.com)

**Palintest UK**

Palintest House  
Kingsway, Team Valley  
Gateshead  
Tyne & Wear NE11 0NS  
England

+44 (0) 191 491 0808  
[sales@palintest.com](mailto:sales@palintest.com)

**Palintest USA**

400 Corporate Circle  
Suite J  
Golden  
CO 80401 USA

+1 859 341 7423  
[info@palintestusa.com](mailto:info@palintestusa.com)