

*Sleek, rugged and easy to use, the Photometer 7500 is the ideal field instrument for water engineers.*

## Interface Photometer 7500

The Palintest Photometer 7500 takes portable water testing to new heights. Its smooth good looks cover a solidly engineered instrument with a high specification and high performance.

- Fully Waterproof with IP67 rating: It even floats
- Rugged, portable design with no moving parts
- Automatic method set up for each parameter
- USB port for easy computer interface
- 500 test results stored on board
- Unique adaptive cell holder

Built around the Palintest range of water test reagents, the Photometer 7500 has automatic wavelength selection for each of its pre-programmed methods. Method selection is either from a simple on-screen menu or by direct entry. There are up to 15 userdefinable test methods allowing full flexibility in a range of applications.

The unique adaptive cell holder automatically adjusts to any round tube size - allowing easy analysis of a range of samples without needing adapters.

The software remembers your most recent tests, making it even quicker to use the next time around. Up to 500 test results are held in the on-board memory with a full audit trail of time, date and results in chosen units.

Once back at base the test results are effortlessly transferred to a PC by plugging into the USB port and using the drag and drop file transfer utility. In the same way, software updates can be sent by e-mail or downloaded from the Internet, and simply dropped into the Photometer 7500.

The unit runs on standard 'AA' batteries or can be powered through the USB port from the computer, or via its own standalone adapter.

The software interface is in five languages and the easy to navigate menus are great for the engineer in a hurry.

The Photometer 7500 is available in two kits, each complete with a carry case with space to store reagents.



### Technical Specifications

<b>Instrument Type</b>	Direct-reading colorimeter with automatic set-up and reading
<b>Operating Wavelengths</b>	450 nm, 500 nm, 550 nm, 575 nm, 600 nm and 650 nm
<b>Display</b>	Large Backlit graphic LCD screen
<b>Accuracy</b>	± 0.5% at 4% transmittance ± 0.005 at 0.3 AU
<b>Resolution</b>	0.001 AU
<b>User Selectable Options</b>	Time/Date format, display language, test units, sample number and dilution factors
<b>Internal Memory</b>	500 sample results stored with selective recall
<b>Data Output</b>	Waterproof USB interface
<b>Test Cells</b>	Automatic adjustment for round test tubes from 12 - 20 mm diameter
<b>Power</b>	Battery power (3 x 'AA') - optional power through USB port from computer or mains adapter
<b>Size</b>	W146 x D275 x H75 mm
<b>Weight</b>	975g
<b>Instrument Rating</b>	Waterproof IP67

## Photometer Kits

### PT 750 Standard Photometer 7500 Kit

The Standard Photometer 7500 kit comprises a Photometer 7500 instrument, eight glass test tubes and a dilution tube all contained in a moulded plastic carrying case. There is space to hold up to eight reagent starter packs. Reagents are sold separately.



### PT 752 Engineers Photometer 7500 Kit

The Engineers Photometer 7500 kit is specifically designed for the mobile water service engineer. It contains a Photometer 7500 instrument, eight glass test tubes, De-ion pack (deionised water maker), dilution tube, sample container, filtration equipment and a thermometer.

The kit is supplied in a reinforced carrying case with space to hold up to 15 different reagent starter packs. The case is fitted with a meter bag and a detachable document holder. It is designed so that engineers can carry test meters and other equipment as desired. The case also has room for a number of Palintest liquid reagents. Reagents are sold separately.

### PT 804 Check Standards for Photometer 7500

### PT 745 USB Power supply for Photometer 7500

### PT 746 USB Cable for Photometer 7500

### PT 265 Alkaline Batteries for Photometer 7500

### PT 595/5 Round Test Tubes, 10ml, pack of 5



## Reagents

TEST	RANGE (mg/l)	REAGENT STARTER PACKS (50 TESTS)	REAGENT REFILL PACKS (250 TESTS)
Alkalinity Total (Alkaphot)	0-500 (CaCO <sub>3</sub> )	PM 188	AP 188
Alkalinity M (Alkaphot M)	0-500 (CaCO <sub>3</sub> )	PM 250	AP 250
Alkalinity P (Alkaphot P)	0-500 (CaCO <sub>3</sub> )	PM 251	AP 251
Aluminium	0-0.5	PM 166	AP 166
Ammonia	0-1.0 (N)	PM 152	AP 152
Boron	0-2.5	PM 190	AP 190
Bromine	0-10.0	PM 060	AP 060
Calcium Hardness (Calcicol)	0-500 (CaCO <sub>3</sub> )	PM 252	AP 252
Chloride (Chloridol)	0-50,000 (NaCl)	PM 268	AP 268
Chlorine DPD 1	0-5.0	PM 011	AP 011
Chlorine DPD 2	0-5.0	PM 021	AP 021
Chlorine DPD 1 & 3	0-5.0	PM 031	AP 031
Chlorine DPD 4	0-5.0	PM 041	AP 041
Chlorine HR (High Range)	0-250	PM 162	AP 162
Chlorine Dioxide (DPD)	0-4.0	PM 052	AP 052
Chlorine Dioxide LR (Low Range)	0-2.5	PM 064	AP 064
Chlorine Dioxide HR (High Range)	2.5-20	PM 065	AP 065
Chromium (VI) (Chromicol)	0-1.0	PM 281	AP 281
Chromium (III) (Chromicol)	0-1.0	AT 283	-
Copper (Coppercol) (free, combined, and total)	0-5.0	PM 186	AP 186
Copper (free)	0-5.0	-	AP 187
Colour/Turbidity	10-500 (Hazen units)	PM 269	-
Cyanuric Acid	0-200	PM 087	AP 087
Dissolved Oxygen (0.8/vials)	0-0.8	PL 553†	PL 553/R†
Dissolved Oxygen (2.0/vials)	0-2.0	PL 503†	PL 503/R†
Dissolved Oxygen (20/vials)	0-20	PL 513†	PL 513/R†
Fluoride	0-1.5	PM 179	AP 179*
Hardness (Hardicol)	0-500 (CaCO <sub>3</sub> )	PM 254	AP 254
Hydrazine	0-0.5	PM 103†	AP 103 •
Hydrogen Peroxide LR	0-2.0	PM 104	AP 104
Hydrogen Peroxide HR	0-100	PM 105	AP 105
Iron LR	0-1.0	-	AP 155
Iron HR	0-10	PM 156	AP 156
Iron MR	0-5.0	PM 292	AP 292
Magnesium (Magnecol)	0-100	PM 193	AP 193
Manganese	0-0.03	PM 173	AP 173
Molybdate LR	0-20	PM 258	AP 258*
Molybdate HR	0-100	PM 175	AP 175
Nickel (Nickeltest)	0-10	PM 284	AP 284*
Nitrate (Nitratetest)	0-20 N	PM 163	AP 163*
Nitrite (Nitricol)	0-0.5 N	PM 109	AP 109
Nitrite (Nitriphot)	0-1500 (NaNO <sub>2</sub> )	PM 260	AP 260
Organophosphonate (OP)	0-20 (PO <sub>4</sub> )	PM 262	AP 262
Ozone	0-2.0	PM 056	AP 056
pH (phenol red)	6.8-8.4	PM 130	AP 130
Phenol (Phenoltest)	0-5.0	PM 287	AP 287*
PHMB	0-100	PM 272	AP 272
Phosphate LR	0-4.0	PM 177	AP 177*
Phosphate HR	0-100	PM 114	AP 114
Potassium	0-12	PM 189	AP 189
Silica	0-4.0	PM 181	AP 181*
Silica HR	0-150	PM 290	AP 290*
Sulphate	0-200	PM 154	AP 154
Sulphide	0-0.5	PM 168	AP 168*
Sulphite (Sulphitest)	0-500 (Na <sub>2</sub> SO <sub>3</sub> )	PM 266	AP 266
Zinc	0-4.0	PM 148	AP 148

\*200 tests • 150 tests † 30 tests