

The Photometer 7100 offers a precise means of water analysis using an advanced solid-state digital readout colorimeter.

Photometer 7100



The new Photometer 7100 is fully integrated with the Palintest system of water analysis. It offers great value instrumental analysis for an extensive range of water tests.

- Fully Waterproof with IP67 rating: It even floats
- Rugged, portable design with no moving parts
- Automatic method set up for each parameter
- Unique adaptive cell holder

The Photometer 7100 accurately assesses the color formed in the test sample and displays the readings directly in concentration units on its large LCD screen – no more inaccurate results due to variation in operator eyesight or lighting conditions.

Not only does the Photometer 7100 have the whole range of Palintest tests available, it is also easily portable, and rugged in design. Its IP67 rating means it is fully waterproof- ideal for on-site testing in any application.

The unique adaptive cell holder automatically adjusts to the tube size, and accommodates any size vial with no adapter needed. The instrument interface comes with five languages built-in, and a large easy to read backlit display with easy to navigate menu.

The Photometer 7100 is part of the successful and versatile Palintest water test system. It is supplied in a carrying case designed to carry the instrument.

PT 740 Standard Photometer 7100 Kit

The Standard Photometer 7100 kit comprises a Photometer 7100 instrument, six glass test tubes and a dilution tube all contained in a moulded plastic carrying case. There is space to hold up to four reagent starter packs. Reagents sold separately

PT 742 Engineers Photometer 7100 Kit

The Engineers Photometer 7100 kit contains a Photometer 7100 instrument, eight glass test tubes, De-ion pack (deionised water maker), dilution tube and sample container. Supplied in an aluminium reinforced carrying case with space to hold up to 15 different reagent starter packs. Reagents sold separately.

PT 804 Check Standards for Photometer 7100

PT 265 Alkaline Batteries for Photometer 7100

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

Technical Specifications

Instrument Type	Direct-reading colorimeter with automatic set-up and reading
Operating Wavelengths	450 nm, 500 nm, 550 nm, 575 nm, 600 nm and 650 nm
Display	Large Backlit graphic LCD screen
Accuracy	± 0.5% at 4% transmittance ± 0.005 at 0.3 AU
Resolution	0.001 AU
User Selectable Options	Display language (French, German, Spanish, English and Italian) Test units
Test Cells	Automatic adjustment for round test tubes from 12 - 20 mm diameter
Power	Battery power (3 x 'AA')
Size	W146 x D275 x H75 mm
Weight	975g
Instrument Rating	Waterproof IP67

Reagents

TEST	RANGE (mg/l)	REAGENT STARTER PACKS (50 TESTS)	REAGENT REFILL PACKS (250 TESTS)
Alkalinity Total (Alkaphot)	0-500 (CaCO ₃)	PM 188	AP 188
Alkalinity M (Alkaphot M)	0-500 (CaCO ₃)	PM 250	AP 250
Alkalinity P (Alkaphot P)	0-500 (CaCO ₃)	PM 251	AP 251
Aluminum	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 ₃)	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	-
Color/Turbidity	10-500 (Hazen units)	PM 269	-
Copper (Coppercol) (free, combined, and total)	0-5.0	PM 186	AP 186
Copper (free)	0-5.0	-	AP 187
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 ₃)	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 ₂)	PM 260	AP 260
Organophosphonate (OP)	0-20 (PO ₄)	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*
Sulfate	0-200	PM 154	AP 154
Sulfide	0-0.5	PM 168	AP 168*
Sulfite (Sulphitest)	0-500 (Na ₂ SO ₃)	PM 266	AP 266
Zinc	0-4.0	PM 148	AP 148



*200 tests • 150 tests †30 tests