

Technical Specifications

Instrument Type	Direct-reading colorimeter with automatic set-up and reading
Operating Wavelengths	420nm, 500nm, 550nm, 575nm, 600nm and 650nm
Display	Large Backlit LCD touch-screen
Accuracy	±0.005 at 0.3 au
Resolution	Transmittance resolution to 0.1% and Absorbance resolution to 0.001 au
User Selectable Options	Display language (French, German, Spanish, Italian), date format, test, units, sample number, dilution, user id and wavelength
Internal Memory	1000 sample results stored with selective recall
Data Output	Bi-directional communication with output to printer or computer via RS232 serial interface
Test Cells	Automatic adjustment for round test tubes from 12 - 20 mm diameter
Power	Standard mains power, optional battery power through standard 'AA' batteries
Size and weight	290 x 240 x 90 mm, 1648 g

Ordering Information

PT 800 Photometer 8000 Kit

Includes Photometer 8000 instrument and power supply. Reagents are sold separately.

PT 802 Check standards with test certificate

PT 803 Optional hard carrying case

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 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
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 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	-
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 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 (Nitratest)	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*
Sulphate	0-200	PM 154	AP 154
Sulphide	0-0.5	PM 168	AP 168*
Sulphite (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