



Portable multi-parameter photometer for chemical testing

HYDROTEST HT1000

A rugged and waterproof photometer with in excess of 120 pre-programmed tests across over 40 chemical parameters, from alkalinity to zinc. The HT1000 is a simple to use unit available as a kit or as a instrument only package.

- Ergonomic design
- Fully waterproof to IP68 conditions
- Precision optics, including long life LEDs and highly accurate photo sensors
- NIST traceable calibration capability if required
- Data storage for up to 1000 data sets stored directly on the unit
- Backlit LCD display
- Over 120 easily accessible methods as standard
- Measures turbidity and TSS without reagents



DESCRIPTION		PART NUMBER
Complete HT1000 Kit	A robust hard shell carry case including: • HT1000 photometer • Dilution kit • Space within the case for a selection of tablet reagents (see pages 64 to 68 for details)	WT13-200
HT1000 unit	An HT1000 photometer in a soft material case	WT13-300

The HT1000 multi-parameter photometer offers ease of use with simple programme control with easy visualisation using its backlit LCD display, making it the perfect choice for operators of any ability. The pressure resistant protected screen and the robust IP68 enclosure ensure operation in any working environment under any field conditions.

TECHNICAL SPECIFICATIONS

User interface	• Backlit LCD graphical display • Touch sensitive keypad • Audible buzzer on error
Portability	• Lightweight handheld unit • Battery operation 4 x AA/LR6 batteries • Provided in either a hard shell carry case as a kit or a soft case as a single unit
Protection	• IP68 rated waterproof case • Pressure resistant screen • Hard case (in the kit version) • Chemical resistant housing
Data	• 1000 data sets storage on the unit • Download via IR (Requires separate Trace2o® PC-Link module, part number WT50-500) • Language capability in English, French, Spanish and Portuguese • Other languages available on request
Optical	• Wavelength accuracy +/- 1 nm • Wavelengths 430, 530, 560, 580, 610 and 660 nm • Accuracy 2% F.S. @20°C to 25°C • Resolution 0.005 Abs
Parameters	• Over 40 parameters available (see page 33)
Approvals	• CE conformity, IP68 rated
Dimensions mm	• 470 x 365 x 190 (in case in kit format)
Weight Kg	• 7.5 (in case in kit format)





PARAMETERS AND REAGENTS FOR HYDROTEST HT1000 PHOTOMETER

PARAMETER	RANGE	PRODUCT CODE	
HYDROTEST® REAGENT PACKS		X 300	X 100
Alkalinity-M	0- 200 mg/L	WT11-102	WT11-101
Alkalinity-M (HR)	0- 500 mg/L	WT11-104	WT11-103
Alkalinity-P	0- 300 mg/L	WT11-106	WT11-105
Aluminium	0- 0.3 mg/L	WT11-108	WT11-107
Ammonia	0- 1 mg/L	WT11-110	WT11-109
Boron	0- 2 mg/L	WT11-112	WT11-111
Bromine	0- 13 mg/L	WT11-114	WT11-113
Chloride	0- 25 mg/L	WT11-116	WT11-115
Chlorine (free & total)	0- 6 mg/L	WT11-118	WT11-117
Chlorine (High Ca)	0- 6 mg/L	WT11-120	WT11-119
Chlorine (HR)	0- 10 mg/L	WT11-122	WT11-121
Chlorine Dioxide	0- 11 mg/L	WT11-124	WT11-123
Chromium (VI)	0- 2 mg/L	WT11-126	WT11-125
Chromium (Total)	0- 2 mg/L	WT11-128	WT11-127
COD (LR)	0- 150 mg/L	WT11-130*	N/A
COD (MR)	0- 1,500 mg/L	WT11-132*	N/A
COD (HR)	0- 15,000 mg/L	WT11-134*	N/A
Copper	0- 5 mg/L	WT11-136	WT11-135
Cyanide	0- 0.5 mg/L	WT11-138	WT11-137
Cyanuric Acid	0- 160 mg/L	WT11-140	WT11-139
Fluoride	0- 2 mg/L	WT11-142	WT11-141
Hardness, Calcium	0- 500 mg/L	WT11-144	WT11-143
Hardness, Calcium (HR)	0- 900 mg/L	WT11-146	WT11-145
Hardness, Magnesium	0- 500 mg/L	WT11-148	WT11-147
Hardness, Total	0- 500 mg/L	WT11-150	WT11-149
Hydrazine	0- 0.5 mg/L	WT11-152	WT11-151
Hydrogen Peroxide	0- 3 mg/L	WT11-154	WT11-153
Iodine	0- 3.6 mg/L	WT11-156	WT11-155
Iron (LR)	0- 1 mg/L	WT11-158	WT11-157
Iron (LR, differentiated)	0- 1 mg/L	WT11-160	WT11-159
Iron (MR)	0- 5 mg/L	WT11-162	WT11-161
Iron (HR)	0- 10 mg/L	WT11-164	WT11-163
Manganese	0- 4 mg/L	WT11-166	WT11-165
Molybdate	0- 50 mg/L	WT11-168	WT11-167
Monochloramine	0- 4.5 mg/L	WT11-170	WT11-169
Nickel	0- 10 mg/L	WT11-172	WT11-171
Nitrate	0- 1 mg/L	WT11-174	WT11-173
Nitrite	0- 0.5 mg/L	WT11-176	WT11-175
Oxygen, active	0- 10 mg/L	WT11-178	WT11-177
Ozone	0- 1 mg/L	WT11-180	WT11-179
Phosphate, ortho (LR)	0- 4 mg/L	WT11-182	WT11-181
Phosphate, ortho (HR)	0- 80 mg/L	WT11-184	WT11-183
pH (LR)	0- 6.8	WT11-186	WT11-185
pH (MR)	0- 8.4	WT11-188	WT11-187
pH (HR)	0- 9.6	WT11-190	WT11-189
Potassium	0- 12 mg/L	WT11-192	WT11-191
Silica	0- 8 mg/L	WT11-194	WT11-193
Sodium Hypochlorite	0- 16%	WT11-196	WT11-195
Sulphate	0- 100 mg/L	WT11-198	WT11-197
Sulphide	0- 0.5 mg/L	WT11-200	WT11-199
Sulphite	0- 5 mg/L	WT11-202	WT11-201
Urea	0- 2.5 mg/L	WT11-204	WT11-203
Zinc	0- 1 mg/L	WT11-206	WT11-205