

Multiparameter Photometer HT1000



Product Overview

Over 120 test methods are available, including all of the most important water quality parameters, and methods can be easily updated by users. Data can be stored directly on the unit (up to 1000 data sets), or wirelessly transmitted to PC or printer. The robust IP68-rated waterproof enclosure is built for tough environments, allowing operation in all weather conditions. The waterproof hard-shell carry-case is resilient, lightweight, offering a complete portable solution for environmental monitoring.

Features & Benefits:

Feature

- Protected backlit LCD display
- IP68 waterproof
- Lightweight handheld unit
- Over 40 parameters including turbidity and TSS
- Tablet reagents
- Audible buzzer
- Accurate pipette
- Dilution kit

Benefit

- Clear high visibility screen viewable in all lighting conditions, pressure resistant for damage protection
- Ideal for use in all environments and weather conditions
- Fully portable for ease of transport to remote locations
- Only one instrument required to test a multitude of parameter
- Convenient reagent packaging provides quick and easy testing
- Test timer alerts and keypad feedback avoid errors during testing
- Essential equipment ensures absolute accuracy during testing
- High concentration samples can be quickly, accurately and easily diluted on site

Parameters;

Parameters and ranges

- Alkalinity-M: 5 - 500 mg/L CaCO₃
- Alkalinity-P: 5 - 300 mg/L CaCO₃
- Aluminum: 0.01 - 0.3 mg/L Al
- Ammonia: 0.02 - 1 mg/L N
- Boron: 0.1 - 2 mg/L B
- Bromine: 0.05 - 13 mg/L Br
- Chloride: 0.5 - 25 mg/L Cl⁻
- Chlorine: 0.01 - 10 mg/L Cl₂
- Chlorine Dioxide: 0.02 - 11 mg/L ClO₂
- Chromium: 0.02 - 2 mg/L Cr
- COD: 0 - 15000 mg/L O₂
- Copper: 0.05 - 5 mg/L Cu
- Copper, free: 0.05 - 5 mg/L Cu
- Cyanide: 0.01 - 0.5 mg/L CN
- Cyanuric acid: 0 - 160 mg/l Cys
- Fluoride: 0.05 - 2 mg/l F
- Hardness, calcium: 0 - 900 mg/l CaCO₃
- Hardness, total: 2 - 500 mg/L CaCO₃
- Hazen: 0 - 500 mg/L Pt-Co-units
- Hydrazine: 0.05 - 0.5 mg/L N₂H₄
- Hydrogen Peroxide: 0.03 - 3 mg/L H₂O₂
- Iodine: 0.05 - 3.6 mg/L I
- Iron (Fe²⁺, Fe³⁺, soluble): 0.02 - 3 mg/L Fe
- Manganese: 0.2 - 4 mg/L Mn
- Molybdenate/Molybdenum: 1 - 50 mg/L MoO₄
- Monochloramine: 0.04 - 4.5 mg/L Cl₂
- Nickel: 0.1 - 10 mg/L Ni
- Nitrate: 0.08 - 1 mg/L N
- Nitrite: 0.01 - 0.5 mg/L N
- Oxygen, active: 0.1 - 10 mg/L O₂
- Ozone: 0.02 - 2 mg/L O₃
- pH-value: 5.2 - 9.6 pH
- Phosphate: 0.02 - 100 mg/L PO₄
- Potassium: 0.7 - 12 mg/L K
- Silica: 0.05 - 90 mg/L SiO₂
- Sodium hypochlorite: 0.2 - 16 % NaOCl
- Sulfate: 5 - 100 mg/L SO₄
- Sulfide: 0.04 - 0.5 mg/L S
- Sulfite: 0.1 - 5 mg/L SO₃
- Suspended Solids: 5 - 750 mg/L
- Turbidity (attenuated radiation method): 0 - 1000 NTU
- Urea: 0.1 - 2.5 mg/L CH₄N₂O
- Zinc: 0.02 - 1 mg/L Zn

Technical Specification:

User Interface

- Backlit LCD graphics display, 128 x 64 pixels
- Touch-sensitive keypad with audible feedback

Operation

- Analytical principle: Fixed wavelength visible absorption photometer
- Wavelength accuracy: ± 1 nm
- Wavelengths: 430, 530, 560, 580, 610, 660 nm
- Accuracy: 2% FS @ 20 – 25°C

Resolutions: 0.005Abs

- Power supply: 4 x AA/LR6 alkaline cells, provides 26 hours operation, > 3000 tests

Environmental

- Operating temperature: 5 - 40°C
- Storage temperature: 0 - 70°C
- Humidity: 30 – 90% (Non-condensing)
- Chemically-resistant housing

Languages

- English; French; Spanish; Portuguese; Indonesian
- Additional languages available on request

Data

- 1000 data sets
- Data download via IR link (required T2o PC-Link module)

Approvals:

- CE conformity; IP68 water resistance
- Dimensions: TBA
- Weight: TBA