HYDROTEST®
HT1000

Portable Robust Multiparameter Photometer

The HydroTest® HT1000 is a compact but powerful handheld photometer for testing water quality across over 40 key parameters. It offers a low cost, lightweight and easy colorimetric solution at the touch of a button using simple single dose tablet reagents.

This instrument is available either as an engineer's kit, in an IP68 hard shell case with foam inner and a wide range of accessories, with reagents for the most common tests OR on its own in a sturdy zipped canvas bag as an economical alternative.

The HydroTest® HT1000 photometer is part of several Trace2o® products, including the Aquasafe® range of portable drinking water safety laboratories, the HydroKit® physicochemical test kits and the HTCOD chemical oxygen demand system.

SPECIALIST MANUFACTURERS OF ENVIRONMENTAL ANALYSIS AND MONITORING EQUIPMENT

BENEFITS

- Reduce fatigue with the lightweight, ergonomic and easy to hold handset

- Save time and money. Over 100 pre-set digital programmes for over 40 parameters means testing for several water contaminants is fast

- Save consumable costs with accurate reproduceable results down below 1mg/l (depending on the parameter)

- Reduce worry of damage in the field due to the impact resistant reinforced digital screen

- Measure in any ambient light with the backlit graphical LCD display

- No loss due to accidental drops into water sources. The HydroTest® HT1000 floats and is IP68 rated

- No need for additional accessories with the complete HT1000 kit, complete with an IP68-rated rugged case

- Save money and space with the zipped canvas bag economical alternative unit

- Avoid user errors, even when short colour development steps are required, with pre-programmed timed reactions where necessary

- Reduce training time and costs with simple one button programme selection

- Easy to calibrate with premade colour verification standards (sold separately)

- High levels of stock at the Trace2o® warehouse means kits can reach the field fast, avoiding delays on your valuable results

- Avoid loss of data by using the 1000 datapoint memory storage on the unit

- Rapid deployment in the field for emergency response due to its small, lightweight size and easy carriage

- Avoid the problems with reagent loss due to wind or environmental conditions, which can happen with powder pillows, using pre-dosed Trace2o® tablet reagents

- Avoid the worry of power loss using the easy access waterproof battery compartment which uses both rechargeable and standard alkaline AA LR-6 batteries

- Communicate with your Laptop and store data using the optional PC-Link module

IN YOUR KIT

IN YOUR KIT	QTY
Single Black IP68 waterproof case	1
HydroTest HT1000 Instrument	1
24mm Sample Cells	6
16mm Sample Cells	3
100-1000µl Pipette (set to 250µl)	1
Pipette Tips (Box of 50)	1
Slotted Screwdriver 100mm	1
16mm adapter	1
13mm adapter	1
Powder Funnel	1
Crushing Rods	5
Lint Free Wipes (Bag of 10)	1
Test Tube Brush	1
AA Batteries	4
250ml Nalgene Beaker	1
Accessory Boxes	2
Dilution Tube	1
Nitrate Test Tube	1
Pen	1

DESCRIPTION	PACK SIZE	PART NUMBER
HydroTest® HT1000 Engineer's Kit	Unit	HT1000
HydroTest® HT1000 Meter only in canvas bag	Unit	HT1000MO
HydroTest® Verification standards for calibration	Set	HTVERI
HydroTest® PC-Link Module for data upload	Unit	HTPCLINK

CONSUMABLES AND REAGENTS		
Alkalinity-M	300 tests	HTALM100/3
Alkalinity-M (HR)	300 tests	HTALMH100/3
Alkalinity-P	300 tests	HTALP100/3
Aluminium	300 tests	HTALU100/3
Ammonia	300 tests	HTNH3100/3
Boron	300 tests	HTB100/3
Bromine	300 tests	HTBR2100/3
Chloride	300 tests	HTCLD100/3
Chlorine (Free + Combined) Combi-Pack	300 tests	HTCL2100/3
Chlorine (Free)	300 tests	HTCL2F100/3
Chlorine (Combined)	300 tests	HTCL2C100/3
Chlorine (High Ca)	300 tests	HTCL25CA100/3
Chlorine (HR)	300 tests	HTCL25HR100/3
Chlorine Dioxide	300 tests	HTCLO2100/3
Chromium (VI)	300 tests	HTCR6100/3
Chromium (Total)	300 tests	HTCRT100/3
COD (LR)	25 tests	HTCODL25
COD (MR)	25 tests	HTCODM25
COD (HR)	25 tests	HTCODH25
Copper	25 tests	HTCU100/3
Cyanide	300 tests	HTCN100/3
Cyanuric Acid	300 tests	HTCYS100/3
Fluoride	300 tests	HTF100/3
Hardness, Calcium	300 tests	HTHAC100/3
Hardness, Calcium (HR)	300 tests	HTHACH100/3
Hardness, Magnesium	300 tests	HTHAMG100/3
Hardness, Total	300 tests	HTHAT100/3
Hydrazine	300 tests	HTHYD100/3

CONSUMABLES AND REAGENTS		
Hydrogen Peroxide	300 tests	HTH2O2100/3
Iodine	300 tests	HTI2100/3
Iron (LR)	300 tests	HTFEL100/3
Iron (LR, differentiated)	300 tests	HTFED100/3
Iron (MR)	300 tests	HTFEM100/3
Iron (HR)	300 tests	HTFEH100/3
Manganese	300 tests	HTMN100/3
Molybdate	300 tests	HTMOO4100/3
Nickel	300 tests	HTNI100/3
Nitrate	300 tests	HTNO3100/3
Nitrite	300 tests	HTNO2100/3
Oxygen, active	300 tests	HTO2100/3
Ozone	300 tests	HTO3100/3
Phosphate, ortho (LR)	300 tests	HTPO4L100/3
Phosphate, ortho (HR)	300 tests	HTPO4H100/3
pH (LR)	300 tests	HTPHL100/3
pH (MR)	300 tests	HTPHM100/3
pH (HR)	300 tests	HTPHH100/3
Potassium	300 tests	HTK100/3
Silica	300 tests	HTSIO2100/3
Sodium Hypochlorite	300 tests	HTHYP100/3
Sulfate	300 tests	HTSO4100/3
Sulfide	300 tests	HTS2100/3
Sulfite	300 tests	HTSO3100/3
Urea	300 tests	HTUREA100/3
Zinc	300 tests	HTZN100/3

TECHNICAL SPECIFICATIONS

Dimensions (mm)	◎ 470 x 365 x 190 (Engineer's Kit) ◎ 250 x 120 x 80 (Canvas Bag)
Weight (Kg)	◎ 7.5 (Engineers Kit) ◎ 2 (Canvas Bag)
Approvals	◎ CE Conformity, IP68
Country of origin	◎ United Kingdom
Data	◎ 1000 Data set storage ◎ Data upload via PC-Link module ◎ English/French/Spanish/Portuguese
Optical	◎ Wavelengths 430/530/560/580/610/660nm ◎ Wavelength accuracy +/- 1nm ◎ Accuracy 2% F.S. @20°C to 25°C ◎ Resolution 0.005 Abs
Parameters available	◎ Over 40
Preprogrammed methods available	◎ Over 100
User Interface	◎ Backlit LCD graphical display ◎ Touch sensitive keypad ◎ Audible error buzzer
Portability	◎ IP68 rated waterproof case ◎ Buoyant ◎ Hard Shell carry case (Engineer's kit) ◎ Zipped canvas bag with handle (Meter only option)
Protection	◎ Pressure resistant reinforced screen ◎ Hard shell case (Engineer's kit only) ◎ Chemically resistant housing ◎ Case floats in water ◎ IP68 water and dust proofing
Recommended storage temperature	◎ 0°C to 70°C
Optimum operating temperature	◎ 0°C to 40°C
Under interface	◎ LCD display ◎ Tactile soft keys ◎ Audible alerts
Power supply	◎ 4 x AA/LR-6 Batteries
Manufacturer's warranty	◎ Standard 1 Year from purchase