

## Hanna 5000 Series Research Grade Meters



Featuring capacitive buttons the 5000 series has a smooth front screen with no dirt traps. The buttons are sensitive enough to be used whilst wearing gloves. With a bright clear colour LCD screen and many customisable features the HI-5000 series instruments give great flexibility in the way you work.

- Large capacity for storing recorded data (up to 100,000 data points) for download to PC (USB and RS232 connection to PC)
- Built-in help and step by step calibration procedure make this instrument highly accurate yet simple to use
- GLP feature allows users to view calibration data and calibration expiration information at the touch of a key



### pH/ORP/ISE/Temperature Meters

- Single (HI-5221) or two (HI-5222) input channels
- pH, ORP, ISE (HI5222 only) and temperature measurements
- Supplied with HI1131B glass body combination pH electrode, HI7662-W temperature probe, electrolyte solution, electrode holder, pH calibration solutions kit, capillary dropper pipette, power adapter, and instructions

Specifications	
<b>pH</b>	-2.0 to 20.0; -2.00 to 20.00; -2.000 to 20.000, $\pm 0.1$ ; $\pm 0.01$ ; $\pm 0.002 \pm 1$ LSD
<b>Temperature</b>	-20.0 to 120.0°C, $\pm 0.2^\circ\text{C}$
<b>mV</b>	$\pm 2000$ , $\pm 0.2$ ; $\pm 1$ LSD
<b>ISE (PHM4204 only)</b>	$1 \times 10^{-6}$ to $9.99 \times 10^{10}$ concentration, $\pm 0.5\%$ (monovalent ions); $\pm 1\%$ (divalent ions)

Code	Alt Ref	Description	Price
<b>PHM0370</b>	HI-5221-02	Research grade pH, ORP and temperature meter	<b>£717.00</b>
<b>PHM0372</b>	HI-5222-02	Research grade pH, ORP, ISE and temperature meter	<b>£924.00</b>
<b>PHE1150</b>	HI-1131B	Replacement pH electrode	<b>£152.00</b>
<b>PHM0366</b>	HI-92000	Hanna PC software	<b>£107.00</b>
<b>PHM0368</b>	HI-920013	Hanna USB link cable	<b>£37.30</b>



### EC/TDS Meter with USP

- Designed to measure pure and ultra-pure water according to USP 645
- Single input channel
- Five measurement parameters: conductivity, resistivity, TDS, salinity and temperature
- Supplied with HI-76312 conductivity probe, electrode holder, power adapter, and instructions

Specifications	
<b>EC</b>	0.000 to 9.999 $\mu\text{S}/\text{cm}$ ; 10.00 to 99.99 $\mu\text{S}/\text{cm}$ ; 100.0 to 999.9 $\mu\text{S}/\text{cm}$ ; 1.000 to 9.999mS/cm; 10.00 to 99.99mS/cm; 100.0 to 1000.0 mS/cm absolute EC, $\pm 1\%$ of reading ( $\pm 0.01\mu\text{S}/\text{cm}$ )
<b>TDS</b>	0.000 to 9.999ppm; 10.00 to 99.99ppm; 100.0 999.9ppm; 1.000 to 9.999ppt; 10.00 to 99.99ppt; 100.0 to 400.0ppt actual TDS (with 1.00 factor), $\pm 1\%$ of reading ( $\pm 0.01\text{ppm}$ )
<b>Resistivity</b>	1.0 to 99.9 $\Omega\text{-cm}$ ; 100 to 999 $\Omega\text{-cm}$ ; 1.00 to 9.99K $\Omega\text{-cm}$ ; 10.0 to 99.9K $\Omega\text{-cm}$ ; 100 to 999K $\Omega\text{-cm}$ ; 1.00 to 9.99M $\Omega\text{-cm}$ ; 10.0 to 100.0M $\Omega\text{-cm}$ , $\pm 2\%$ of reading ( $\pm 10\text{-cm}$ )
<b>Salinity</b>	Practical scale: 0.00 to 42.00psu; natural sea water scale: 0.00 to 80.00ppt; percent scale: 0.0 to 400.0% NaCl, $\pm 1\%$ of reading
<b>Temperature</b>	-20.0 to 120°C, $\pm 0.2^\circ\text{C}$ (without probe)

Code	Alt Ref	Description	Price
<b>PHM0374</b>	HI-5321-02	Research grade conductivity, resistivity, TDS, salinity and temperature meter	<b>£883.00</b>