

Professional Waterproof Testers

Testers designed to accurately measure your water samples in laboratories and industry.



pHep⁴ & pHep⁵

The pHep⁴ & pHep⁵ include features such as a dual-level LCD, battery level indicator, replaceable pH electrode cartridge, stability indicator, automatic shut-off and automatic calibration all in a floating, waterproof casing.

DiST⁵ & DiST⁶

The new DiST⁵ and DiST⁶ feature a replaceable graphite electrode, adjustable TDS ratio, temperature in °C or °F, automatic temperature compensation with adjustable β , battery level indicator, stability indicator, automatic shut-off and automatic calibration all in a floating, waterproof casing.

Combo

The new HI 98129 and HI 98130 Combo waterproof testers offer high accuracy pH, EC/TDS and temperature measurements all in a single tester! pH and EC/TDS readings are automatically compensated for the effects of temperature (ATC). These technologically advanced testers have a replaceable pH electrode cartridge with an extendable cloth junction as well as an EC/TDS graphite electrode that resists contamination by salts and other substances.

Waterproof • Floating
Accurate • Replaceable Electrode

CERTIFIED ISO 9001

HANNA
instruments
Laboratory & Industrial Division

www.hannainst.com

TESTERS DESIGNED FOR QUICK, ACCURATE & PROFESSIONAL MEASUREMENTS IN ANY APPLICATION!

pHep®4 & pHep®5



- Waterproof, Floating
- Temperature in °C or °F
- Dual-level LCD
- Replaceable pH Electrode Cartridge
- Cloth Renewable Junction
- Battery Level Indicator
- Stability Indicator
- Automatic Calibration
- Automatic Shut-off

DIST®5 & DIST®6



- Waterproof, Floating
- Temperature in °C or °F
- Dual-level LCD
- Replaceable Graphite Conductivity Electrode
- Adjustable β
- Adjustable TDS Ratio
- Battery Level Indicator
- Stability Indicator
- Automatic Calibration
- Automatic Shut-off

Combo



- Waterproof, Floating
- Dual-level LCD
- Replaceable pH Electrode Cartridge
- Cloth Renewable Junction
- Adjustable β
- Adjustable TDS Ratio
- Battery Level Indicator
- Stability Indicator
- Automatic Calibration
- Automatic Shut-off

Replaceable pH Electrode Cartridge



Cloth Renewable Junction

Replaceable Graphite Conductivity Electrode



Replaceable pH Electrode Cartridge



Exposed Temperature Sensor Provides Fast Response Times

SPECIFICATIONS	pHep®4	pHep®5	DIST®5	DIST®6	Combo	Combo
Model Number	HI 98127	HI 98128	HI 98311	HI 98312	HI 98129	HI 98130
Range	pH: 0.0 to 14.0 EC: - TDS: - Temperature: 0.0 to 60.0°C or 32.0 to 140.0°F	0.00 to 14.00	- 0 to 3999 μ S/cm 0 to 2000 ppm 0.0 to 60.0°C or 32.0 to 140.0°F	- 0.00 to 20.00 mS/cm 0.00 to 10.00 ppt 0.1°C or 0.1°F	0.00 to 14.00 0 to 3999 μ S/cm 0 to 2000 ppm 0.0 to 60.0°C or 32.0 to 140.0°F	0.00 to 14.00 0.00 to 20.00 mS/cm 0.00 to 10.00 ppt 0.1°C or 0.1°F
Resolution	pH: 0.1 EC: - TDS: - Temperature: 0.1°C or 0.1°F	0.01	- 1 μ S/cm 1 ppm 0.1°C or 0.1°F	- 0.01 mS/cm 0.01 ppt 0.1°C or 0.1°F	0.01 1 μ S/cm 1 ppm 0.1°C or 0.1°F	0.01 0.01 mS/cm 0.01 ppt 0.1°C or 0.1°F
Accuracy (@20°C/68°F)	pH: ± 0.1 EC/TDS: - Temperature: $\pm 0.5^\circ\text{C}$ or $\pm 1^\circ\text{F}$	± 0.05	- $\pm 2\%$ F.S. $\pm 0.5^\circ\text{C}$ or $\pm 1^\circ\text{F}$	- $\pm 2\%$ F.S. $\pm 0.5^\circ\text{C}$ or $\pm 1^\circ\text{F}$	± 0.05 $\pm 2\%$ F.S. $\pm 0.5^\circ\text{C}$ or $\pm 1^\circ\text{F}$	± 0.05 $\pm 2\%$ F.S. $\pm 0.5^\circ\text{C}$ or $\pm 1^\circ\text{F}$
Typical EMC Deviation	pH: ± 0.1 EC/TDS: - Temperature: $\pm 0.5^\circ\text{C}$ or $\pm 1^\circ\text{F}$	± 0.02	- $\pm 2\%$ F.S. $\pm 0.5^\circ\text{C}$ or $\pm 1^\circ\text{F}$	- $\pm 2\%$ F.S. $\pm 0.5^\circ\text{C}$ or $\pm 1^\circ\text{F}$	± 0.02 $\pm 2\%$ F.S. $\pm 0.5^\circ\text{C}$ or $\pm 1^\circ\text{F}$	± 0.02 $\pm 2\%$ F.S. $\pm 0.5^\circ\text{C}$ or $\pm 1^\circ\text{F}$
Calibration	Automatic 1 or 2 points with 2 sets of memorized buffers, (pH 4.01/7.01/10.01 or pH 4.01/6.86/9.18)		EC/TDS: Automatic 1 point		pH: Automatic 1 or 2 points with 2 sets of memorized buffers; EC/TDS: Automatic 1 point	
EC/TDS Conversion Factor			Adjustable from 0.45 to 1.00		Adjustable from 0.45 to 1.00	
Temperature Compensation	Automatic		Automatic with $\beta = 0.0$ to 2.4%/°C		pH: Automatic; EC/TDS: Automatic with $\beta = 0.0$ to 2.4%/°C	
Battery Type/Life	4 x 1.5V with BEPS/approx. 250 hours of continuous use		4 x 1.5V with BEPS/approx. 100 hours of continuous use		4 x 1.5V with BEPS/approx. 100 hours of continuous use	
Environment	0 to 50°C (32 to 122°F); RH 100%		0 to 50°C (32 to 122°F); RH 100%		0 to 50°C (32 to 122°F); RH 100%	
Weight/Dimensions	85 g (3.0 oz.)/163 x 40 x 26 mm (6.4 x 1.6 x 1")		85 g (3.0 oz.)/163 x 40 x 26 mm (6.4 x 1.6 x 1")		85 g (3.0 oz.)/163 x 40 x 26 mm (6.4 x 1.6 x 1")	

Authorized Distributor www.clarksonlab.com

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