



Waterproof Testers with Replaceable Electrode

- Waterproof and designed to float
- Built in temperature sensor for temperature compensated measurements
- Stability indicator
 - Displays a clock tag that will disappear when the reading has achieved stability
- HOLD button
 - Freezes reading on the display to allow recording of measurement
- BEPS (Battery Error Prevention System)
 - Automatically shuts off if there is not enough power to get an accurate measurement
- Battery % level at startup
- Low Battery Indicator



Replaceable electrode cartridges

These testers feature an easy-to-replace electrode. The sturdy, snap-in connector means there are no pins to bend or break.



Exposed temperature sensor

The exposed stainless steel temperature sensor facilitates fast and accurate temperature measurement (all models except HI98120).

Extractable cloth junction

For models that feature our replaceable HI73127 pH electrode cartridge, when the cloth junction becomes dirty, simply pull out 3 mm (1/8") and cut to improve response time and stability.

High accuracy EC/TDS graphite probe

HI98311 (DiST*5) and HI98312 (DiST*6) testers feature our replaceable HI73311 graphite conductivity probe. This probe provides greater accuracy because it is not subject to corrosion by salt deposits in the solution.



Calibrate directly in single use buffer solution sachets

Calibration can be performed directly in our single use buffer solution sachets for convenience and accuracy.





Specifications	HI98129 (Combo)	HI98130 (Combo)	HI98127 (pHep*4)	HI98128 (pHep*5)	HI98121	HI98120	HI98311 (DiST*5)	HI98312 (DiST*6)
pH	Range	0.00 to 14.00 pH	0.00 to 14.00 pH	-2.0 to 16.0 pH	-2.00 to 16.00 pH	-2.00 to 16.00 pH	-	-
	Resolution	0.01 pH	0.01 pH	0.1 pH	0.01 pH	0.01 pH	-	-
	Accuracy	±0.05 pH	±0.05 pH	±0.1 pH	±0.05 pH	±0.05 pH	-	-
	Calibration	automatic, one or two-point with two sets of standard buffers (pH 4.01 / 7.01 / 10.01 or 4.01 / 6.86 / 9.18)					-	-
ORP	Range	-	-	-	-	± 1000 mV	± 1000 mV	-
	Resolution	-	-	-	-	1 mV	1 mV	-
	Accuracy	-	-	-	-	±2 mV	±2 mV	-
	Calibration	-	-	-	-	factory calibrated	factory calibrated	-
Conductivity	Range	0 to 3999 µS/cm	0.00 to 20.00 mS/cm	-	-	-	0 to 3999 µS/cm	0.00 to 20.00 mS/cm
	Resolution	1 µS/cm	0.01 mS/cm	-	-	-	1 µS/cm	0.01 mS/cm
	Accuracy	±2% F.S.	±2% F.S.	-	-	-	±2% F.S.	±2% F.S.
	Calibration	automatic, one point at 1413 µS/cm	automatic, one point at 12.88 mS/cm	-	-	-	automatic, one point at 1413 µS/cm	automatic, one point at 12.88 mS/cm
TDS	Range	0 to 2000 mg/L (ppm)	0.00 to 10.00 g/L (ppt)	-	-	-	0 to 2000 mg/L (ppm)	0.00 to 10.00 g/L (ppt)
	Resolution	1 mg/L (ppm)	0.01 g/L (ppt)	-	-	-	1 mg/L (ppm)	0.01 g/L (ppt)
	Accuracy	±2% F.S.	±2% F.S.	-	-	-	±2% F.S.	±2% F.S.
	Calibration	automatic, one point at 1382 mg/L (ppm)	automatic, one point at 6.44 g/L (ppt)	-	-	-	automatic, one point at 1382 mg/L (ppm)	automatic, one point at 6.44 g/L (ppt)
	Conversion Factor	adjustable from 0.45 to 1.00		-	-	-	adjustable from 0.45 to 1.00	
Temperature	Range	0.0 to 60.0°C / 32.0 to 140.0°F		-5.0 to 60.0°C / 23.0 to 140.0°F		-5.0 to 60.0°C / 23.0 to 140.0°F		0.0 to 60.0°C / 32.0 to 140.0°F
	Resolution	0.1°C / 0.1°F	0.1°C / 0.1°F	0.1°C / 0.1°F	0.1°C / 0.1°F	0.1°C / 0.1°F	0.1°C / 0.1°F	0.1°C / 0.1°F
	Accuracy	±0.5°C / ±1°F	±0.5°C / ±1°F	±0.5°C / ±1°F	±0.5°C / ±1°F	±0.5°C / ±1°F	±0.5°C / ±1°F	±0.5°C / ±1°F
Additional Specifications	Temperature Compensation	pH: automatic; EC/TDS: automatic with β adjustable from 0.0 to 2.4% / °C		automatic	automatic	automatic for pH readings	-	automatic, with β adjustable from 0.0 to 2.4% / °C
	Replaceable Electrode (included)	HI73127 pH Electrode	HI73127 pH Electrode	HI73127 pH Electrode	HI73127 pH Electrode	HI73127 pH Electrode; fixed ORP sensor	HI73120 ORP electrode	HI73311 EC/TDS graphite electrode
	Environment	0 to 50°C (32 to 122°F); RH max 100%		-5 to 50°C (23 to 122°F); RH max 100%		-5 to 50°C (23 to 122°F); RH max 100%		0 to 50°C (32 to 122°F); RH max 100%
	Battery Type / Life	1.5V (4) / approx. 100 hours of continuous use; auto-off after 8 minutes of non-use		1.5V (4) / approx. 300 hours of continuous use; auto-off after 8 minutes of non-use		1.5V (4) / approx. 250 hours of continuous use; auto-off after 8 minutes of non-use		1.5V (4) / approx. 100 hours of continuous use; auto-off after 8 minutes of non-use
	Dimensions / Weight	163 x 40 x 26 mm (6.4 x 1.6 x 1.0") / 100 g (3.5 oz.)		163 x 40 x 26 mm (6.4 x 1.6 x 1.0") / 100 g (3.5 oz.)		163 x 40 x 26 mm (6.4 x 1.6 x 1.0") / 100 g (3.5 oz.)		163 x 40 x 26 mm (6.4 x 1.6 x 1.0") / 100 g (3.5 oz.)
Ordering Information	HI98129 (Combo) is supplied with HI73127 pH electrode, electrode removal tool, batteries and instructions.	HI98130 (Combo) is supplied with HI73127 pH electrode, electrode removal tool, batteries and instructions.	HI98127 (pHep 4) is supplied with HI73127 pH electrode, electrode removal tool, batteries and instructions.	HI98128 (pHep 5) is supplied with HI73127 pH electrode, electrode removal tool, batteries and instructions.	HI98121 (ORP/pH) is supplied with HI73127 pH electrode, electrode removal tool, batteries and instructions.	HI98120 (ORP) is supplied with HI73120 ORP electrode, electrode removal tool, batteries and instructions.	HI98311 (DiST 5) is supplied with HI73311 EC/TDS probe, probe removal tool, batteries and instructions.	HI98312 (DiST 6) is supplied with HI73311 EC/TDS probe, probe removal tool, batteries and instructions.

Waterproof Testers

- Waterproof
- Extractable cloth junction to extend pH electrode life
- Built in temperature sensor for temperature compensated measurements
- Automatic one or two-point calibration
- Stability indicator
- Low battery indicator

The pHep is used by millions of people around the world to monitor pH in laboratories and industrial applications as well as in agriculture, fish farming, food manufacturing and quality control, swimming pools, and the printing industry.



Extendable cloth junction (for pH models)

The pH electrode uses a unique reference cell design with an extractable cloth junction. A normal junction clogs with use over time and a clogged junction will typically yield erratic readings that will not stabilize.

With the HI98107 pHep and HI98108 pHep⁺, simply extracting a small portion of cloth from the meter will clear any clog by exposing a fresh, clean surface. The ability to clear any clogging extends the life of the pH electrode.

Exposed temperature sensor

These testers feature an exposed temperature sensor for faster response times.



Watertight seal

An easily removable cover provides access to the battery compartment.



Plastic carrying case

These testers are supplied complete with meter, probe, calibration solutions, and cleaning solutions (when applicable) packaged in a durable plastic carrying case.

Calibrate directly in single use buffer solution sachets

Calibration can be performed directly in our single use buffer solution sachets for convenience and accuracy.



pH 7.01

BUFFER SOLUTION

HI 70007

~ 20 mL ±0.01 pH @ 25°C/77°F

°C	°F	pH	°C	°F	pH
20	68	7.00	20	68	7.00
25	77	7.00	25	77	7.00
30	86	7.00	30	86	7.00



Specifications		HI98107 (pHep®)	HI98108 (pHep®+)	HI98301 (DiST*1)	HI98302 (DiST*2)	HI98303 (DiST*3)	HI98304 (DiST*4)
pH	Range	0.0 to 14.0 pH	0.00 to 14.00 pH	-	-	-	-
	Resolution	0.1 pH	0.01 pH	-	-	-	-
	Accuracy (@25°C/77°F)	±0.1 pH	±0.10 pH	-	-	-	-
	Calibration	automatic, one or two-point (pH 4.01, 7.01, 10.01)	-	-	-	-	-
TDS	Range	-	-	0 to 2000 mg/L (ppm)	0.00 to 10.00 g/L (ppt)	-	-
	Resolution	-	-	1 mg/L (ppm)	0.01 g/L (ppt)	-	-
	Accuracy (@25°C/77°F)	-	-	±2% F.S.	±2% F.S.	-	-
	TDS Calibration	-	-	automatic, one-point	automatic, one-point	-	-
	Calibration Solution	-	-	HI70032: 1382 ppm	HI70038: 6.44 ppt	-	-
	TDS Factor	-	-	0.5	0.5	-	-
EC	Range	-	-	-	-	0 to 2000 µS/cm	0.00 to 20.00 mS/cm
	Resolution	-	-	-	-	1 µS/cm	0.01 mS/cm
	Accuracy (@25°C/77°F)	-	-	-	-	±2% F.S.	-
	EC Calibration	-	-	-	-	automatic, one-point	automatic, one-point
Calibration Solution	-	-	-	-	HI70031: 1413 mS/cm	HI70030: 12.88 mS/cm	
Temperature	Range	0.0 to 50.0°C/32.0 to 122.0°F	0.0 to 50.0°C/32.0 to 122.0°F	0.0 to 50.0°C/32.0 to 122.0°F	0.0 to 50.0°C/32.0 to 122.0°F	0.0 to 50.0°C/32.0 to 122.0°F	0.0 to 50.0°C/32.0 to 122.0°F
	Resolution	0.1°C / 0.1°F	0.1°C / 0.1°F	0.1°C / 0.1°F	0.1°C / 0.1°F	0.1°C / 0.1°F	0.1°C / 0.1°F
	Accuracy (@25°C/77°F)	±0.5°C / ±1.0°F	±0.5°C / ±1.0°F	±0.5°C / ±1.0°F	±0.5°C / ±1.0°F	±0.5°C / ±1.0°F	±0.5°C / ±1.0°F
Additional Specifications	Temperature Compensation	automatic from 0 to 50°C (32 to 122°F)	-	automatic from 0 to 50°C (32 to 122°F)	-	automatic from 0 to 50°C (32 to 122°F)	-
	Battery Type / Life	CR2032 3V Li-ion / approx. 800 hours of continuous use	-	CR2032 3V Li-ion / approx. 250 hours of continuous use	-	CR2032 3V Li-ion / approx. 250 hours of continuous use	-
	Environment	0 to 50°C (32 to 122°F); RH 100% max	-	0 to 50°C (32 to 122°F); RH 100% max	-	0 to 50°C (32 to 122°F); RH 100% max	-
	Dimensions	160 x 40 x 17 mm (6.3 x 1.6 x 0.7")	-	160 x 40 x 17 mm (6.3 x 1.6 x 0.7")	-	160 x 40 x 17 mm (6.3 x 1.6 x 0.7")	-
	Weight	75 g (2.6 oz.)	-	75 g (2.6 oz.)	-	75 g (2.6 oz.)	-
Ordering Information		HI98107 (pHep) is supplied with electrode cleaning solution sachet, pH 4.01 buffer solution sachet, pH 7.01 buffer solution sachet (2), storage/protection sleeve, CR2032 battery, instructions and quality certificate.	HI98108 (pHep+) is supplied with electrode cleaning solution sachet, pH 4.01 buffer solution sachet (2), storage/protection sleeve, CR2032 battery, instructions and quality certificate.	HI98301 (DiST 1) is supplied with 1382 ppm calibration solution sachet (4), storage/protection sleeve, CR2032 battery, instructions and quality certificate.	HI98302 (DiST 2) is supplied with 6.44 ppt calibration solution sachet (4), storage/protection sleeve, CR2032 battery, instructions and quality certificate.	HI98303 (DiST 3) is supplied with 1413 µS/cm calibration solution sachet (4), storage/protection sleeve, CR2032 battery, instructions and quality certificate.	HI98304 (DiST 4) is supplied with 12.88 mS/cm calibration solution sachet (4), storage/protection sleeve, CR2032 battery, instructions and quality certificate.



Checker® pH Testers

The latest Checker and Checker Plus are the next generation of the original Hanna Checker pH tester. The Checker is one of the most popular pH meters in the world with over 1 million meters used since its introduction in 1991. From students to researchers, the Checker has been helping people get accurate pH measurements.

Replaceable pH electrode

The supplied HI1271 pH electrode is 103 mm long and tapers to an 8 mm diameter at the sensing end to easily fit into test tubes, vials, and other containers with a small opening.

High accuracy

The HI98100 Checker Plus features ± 0.2 pH accuracy with 0.01 resolution while the HI98103 features 0.1 resolution.

Large LCD

Enhanced LCD that displays reading, stability indicator, low battery indicator, and calibration tags.

Automatic calibration

Meters automatically calibrate to one or two points. The calibration buffers are automatically recognized and after calibration the buffer values used are shown on the display.

Stability indicator

An hourglass indicator is displayed on the LCD until a stable reading is obtained. Once a reading stabilizes, the indicator disappears and a reading can be recorded.



Plastic carrying case

The HI98100 and HI98103 is supplied complete with meter, probe, calibration solutions, and cleaning solutions packaged in a durable plastic carrying case.



Replaceable electrode

The pH electrode can be easily replaced. Just unscrew the electrode from the meter body and screw on a new one.



Automatic calibration

Calibration can be performed directly in our solution sachets.



Specifications	HI98100 (Checker Plus)	HI98103 (Checker)
pH	Range	0.00 to 14.00 pH
	Resolution	0.01 pH
	Accuracy (@25°C/77°F)	± 0.2 pH
	Calibration	automatic, one or two-point (pH 4.01, 7.01 and 10.01)
	Electrode	HI1271 (included)
	Battery Type / Life	CR2032 Li-ion / approx. 1000 hours of continuous use
Additional Specifications	Auto-off	8 minutes, 60 minutes, or can be disabled
	Environment	0 to 50°C (32 to 122°F); RH 95% max
	Dimensions	50 x 174 x 21 mm (2 x 6.8 x 0.9")
	Weight	50 g (1.8 oz)
Ordering Information	HI98100 (Checker Plus) is supplied with HI1271 pH electrode, pH 4.01 buffer solution sachet (2), pH 7.01 buffer solution sachet (2), electrode cleaning solution sachet (2), battery, instructions, and quality certificate in a carrying case.	HI98103 (Checker) is supplied with HI1271 pH electrode, pH 4.01 buffer solution sachet (2), pH 7.01 buffer solution sachet (2), electrode cleaning solution sachet (2), battery, instructions, and quality certificate in a carrying case.



Checktemp®

Digital Thermometers

with Stainless Steel Probe

- IP65 water resistant protection
- Use as a tool for control in HACCP analysis
- AISI 316 stainless steel probe
- Large LCD

The Checktemp series offers no breakage, no waste, no injuries and no difficulty in reading; the digital display prevents a parallax error (observing the wrong measurement due to the angle of view) and is optimized for a wide range of environmental temperatures.

The Hanna CAL Check™ feature has been incorporated into the Checktemp series for reliable and accurate measurements. CAL Check automatically runs a self-check diagnostic upon startup and reports status back to the user.



CAL Check

Automatically verifies calibration at startup and alerts the user of the calibration status.



Select between °C or °F measurement in one tester



Specifications	HI98501 (Checktemp)	HI98509 (Checktemp 1)	HI98539 (Checktemp Dip)
Range	-50.0 to 150.0°C / -58.0 to 302°F	-50.0 to 150.0°C / -58.0 to 302°F	-20.0 to 80.0°C / -4.0 to 176.0°F
Resolution	0.1°C (-50.0 to 150.0°C) / 0.1°F (-58.0 to 199.9°F); 1°F (above 200°F)	0.1°C (-50.0 to 150°C) / 0.1°F (-58.0 to 199.9°F); 1°F (above 200°F)	0.1°C / 0.1°F
Accuracy	±0.2°C (-30 to 120°C); ±0.3°C (outside) / ±0.5°F (-22 to 199.9°F); ±1°F (outside)	±0.2°C (-30 to 120.0°C); ±0.3°C (outside) / ±0.5°F (-22.0 to 199.9°F); ±1°F (outside)	±0.3°C / ±0.5°F
Probe	fixed, stainless steel probe; 106 x ø 3.6 mm (penetration)	stainless steel probe with 1 m (3.3') silicone cable; 97.3 x dia 3.5 mm (3.8 x dia 0.14")	weighted stainless steel probe with 3 m (9.9') silicone cable
Battery Type / Life	CR2032 Li-ion / approx. 2000 hours of continuous use	3 x 1.5V AAA / approx. 2 years of use	3 x 1.5V AAA / approx. 2 years of use
Auto Off	8 min (default), 60 min or OFF	8 min (default), 60 min or OFF	8 min (default), 60 min or OFF
Environment	-30 to 50°C (-22 to 122°F); IP65	-30 to 50°C (-4 to 122°F); IP65	-30 to 50°C (-22 to 122°F); IP65
Dimensions	50 x 185 x 21 mm (2 x 7.3 x 0.9")	107 x 59 x 17 mm (4.2 x 5.3 x .65")	107 x 59 x 17 mm (4.2 x 2.3 x 0.7")
Weight	50 g (1.8 oz.)	130 g (4.6 oz.)	109 g (3.8 oz.)
Ordering Information	HI98501 (Checktemp) is supplied with stainless steel penetration probe, protective cap, battery and instructions.	HI98509 (Checktemp 1) is supplied with stainless steel penetration probe, batteries, stand and instructions.	HI98539 (Checktemp Dip) is supplied with stainless steel weighted probe, stand, batteries and instructions.

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