

# HANNA Testers

pH • EC • TDS • ORP • Temperature

EC, TDS & Temp  
HI 98312 HR



EC, TDS & Temp  
HI 98311



## The World's Most Advanced Line Of Testers

With these powerful waterproof testers, you can easily measure pH, EC/TDS, temperature, and now ORP, anywhere. Attention to detail is evident in these advanced instruments with features such as replaceable electrode technology and stainless steel temperature probes for faster, more precise measurements. The EC/TDS meters have graphite probes for fast response and contamination resistance.

pH & Temp  
HI 98128 HR



pH & Temp  
HI 98127



ORP & Temp  
HI 98121



ORP & Temp  
HI 98120



pH, EC, TDS & Temp  
HI 98129



pH, EC, TDS & Temp  
HI 98130 HR



## Features

- Dual-level LCDs
- Automatic Shut-off
- Efficient 2-button Operation
- Temperature in °C or °F
- Close Proximity Temperature Probes
- Automatic Calibration (most models)
- Battery Error Prevention Systems (BEPS)
- Automatic Temperature Compensation (most models)

Waterproof  
&  
Floating

### Replaceable Electrodes

The stainless steel round connector of the electrode means there are no pins to bend or break during replacement.

### Rejuvenating pH Junctions

The pH replaceable electrode features a pull-out cloth junction. When the cloth junction becomes dirty from testing, simply pull out 3 mm (1/8") to rejuvenate the electrode.

### Contamination Resistant Conductivity Electrode

HANNA's graphite conductivity electrode resists contamination from salt deposits in the solution.

**HANNA**<sup>®</sup>  
instruments

Call us TODAY at

1.800.426.6287 • 1.800.504.2662

(Rhode Island office)

(Michigan office)

www.HANNAINST.COM • e-mail: sales@hannainst.com

# HANNA Testers



SPECIFICATIONS		pHep*4	pHep*5	DIST*5	DIST*6	ORP	pH/ORP Combo	pH/EC Combo	pH/EC Combo
Model Number		HI 98127	HI 98128	HI 98311	HI 98312	HI 98120	HI 98121	HI 98129	HI 98130
Range	pH -2.0 to 16.0	•							
	pH -2.00 to 16.00		•				•		
	pH 0.00 to 14.00							•	•
	EC 0 to 3999 µS/cm			•				•	
	EC 0.00 to 20.00 mS/cm				•				•
	TDS 0 to 2000 ppm			•					•
	TDS 0.00 to 10.00 ppt				•				•
	ORP ±1000 mV					•	•		
	Temperature 0.0 to 60.0 °C	•	•	•	•	•	•	•	•
	Temperature 32.0 to 140.0 °F	•	•	•	•	•	•	•	•
Resolution	0.1 pH	•							
	0.01 pH		•				•		•
	1 µS/cm EC			•				•	
	0.01 mS/cm EC				•				•
	1 ppm TDS			•				•	
	0.01 ppt TDS				•				•
	1 mV ORP					•	•		
Accuracy (@20°C/68°F)	±0.1 pH	•							
	±0.05 pH		•				•	•	•
	±2% F.S. EC/TDS			•	•			•	•
	±2 mV ORP					•	•		
	±0.5 °C	•	•	•	•	•	•	•	•
±1 °F	•	•	•	•	•	•	•	•	
Calibration*	pH Automatic*	•	•				•	•	•
	EC/TDS Automatic**			•	•			•	•
Automatic Temperature Compensation		•	•	•	•		•	•	•
Battery Type (4) 1.5V		•	•	•	•	•	•	•	•
Battery Life (hours)		300	300	100	100	300	250	100	100
Battery Error Prevention System (BEPS)		•	•	•	•	•	•	•	•
Auto-off after 8 minutes		•	•	•	•	•	•	•	•
Dimensions/Weight		163 x 40 x 26 mm(6.4 x 1.6 x 1")/85 g (3.0 oz.)							

\*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)

\*\*1 point at 1413 µS/cm or 12.88 mS/cm

## ACCESSORIES

**HI 7061M** Electrode cleaning solution, 230 mL bottle  
**HI 70004P** pH 4.01 solution, 20 mL sachet (25 pcs)  
**HI 70006P** pH 6.86 solution, 20 mL sachet (25 pcs)  
**HI 70007P** pH 7.01 solution, 20 mL sachet (25 pcs)  
**HI 70009P** pH 9.18 solution, 20 mL sachet (25 pcs)  
**HI 70010P** pH 10.01 solution, 20 mL sachet (25 pcs)  
**HI 70006P** pH 6.86 solution, 20 mL sachet (25 pcs)  
**HI 7004M** pH 4.01 solution, 230 mL bottle  
**HI 7006M** pH 6.86 solution, 230 mL bottle  
**HI 7007M** pH 7.01 solution, 230 mL bottle  
**HI 7009M** pH 9.18 solution, 230 mL bottle  
**HI 7010M** pH 10.01 solution, 230 mL bottle

**HI 7021M** ORP test solution (240 mV), 230 mL bottle  
**HI 7022M** ORP test solution (470 mV), 230 mL bottle  
**HI 7091M** Pretreatment reducing sol., 230 mL bottle  
**HI 7092M** Pretreatment oxidizing sol., 230 mL bottle  
**HI 70030P** 12.88 mS/cm @ 25°C calibration solution, 20 mL sachet (25 pcs)  
**HI 70031P** 1413 µS/cm @ 25°C calibration solution, 20 mL sachet (25 pcs)  
**HI 70032P** 1382 ppm @ 25°C calibration solution, 20 mL sachet (25 pcs)  
**HI 70038P** 6.44 ppt @ 25°C calibration solution, 20 mL sachet (25 pcs)

**HI 70442P** 1500 ppm @ 25°C calibration solution, 20 mL sachet (25 pcs)  
**HI 70300M** Electrode storage solution, 230 mL bottle  
**HI 73128** Electrode removal tool

## ORDERING INFORMATION

All Testers are supplied with cap, electrode removal tool, (4) 1.5V batteries and instruction manual.



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