

pH/Temperature Meters

Features:

- Dual-level LCD displays pH and temperature simultaneously
- Easily switch between Celsius and Fahrenheit
- Exposed "direct contact" temperature sensor
- Automatic temperature compensation
- Proximity of temperature sensor to the pH electrode guarantees much more accurate temperature compensated readings
- Automatic calibration
- Automatic shut-off
- Stability and battery level indicators
- Floating, waterproof casing
- Exclusive replaceable pH electrode cartridge
- Renewable pull-out cloth junction: When the cloth junction becomes dirty from routine testing, simply pull out 3mm or 1/8" to rejuvenate the electrode.
- Supplied complete with protective cap, electrode removal tool, batteries and instructions



Specifications:

Model	pHep4	pHep5
pH Range:	-2.0 to 16.0	-2.00 to 16.00
Resolution:	0.1	0.01
Accuracy:	±0.1	±0.05
Temp. Range:	-5.0 to 60.0°C (23.0 to 140.0°F)	
Resolution:	0.1°C (0.1°F)	
Accuracy:	±0.5°C (±1°F)	
pH Calibration:	Automatic 1 or 2 points with 2 sets of standard buffers (pH 4.01/7.01/10.01 or pH 4.01/6.86/9.18)	
Temp. Compensation:	Automatic	
Power Supply:	4 x 1.5V batteries	
Battery Life:	300 hours of continuous use	
Dimensions:	163 x 40 x 26 mm (6.4 x 1.6 x 1")	
Weight:	100 g (3.5 oz)	

Model	Description	Price
HI98127	pHep4 pH/Temperature Meter	\$92
HI98128	pHep5 pH/Temperature Meter	\$105
HI73127	Replacement pH Electrode	\$57
HI77400P	Calibration Kit (pH 4 & 7, 20ml, 5 pcs ea.)	\$16
HI77700P	Calibration Kit (pH 7, 20ml, 10 pcs)	\$18
HI770710P	Calibration Kit (pH 4 & 10, 20ml, 5 pcs ea.)	\$16

pH/Conductivity/TDS/Temperature Meter



Features:

- Measure pH, conductivity, total dissolved solids (TDS), and temperature all in one compact pocket meter
- Dual level display shows pH or conductivity/TDS and temperature together
- Fully waterproof and even floats to aid retrieval

Specifications:

pH Range:	0 to 14pH
Resolution:	0.01pH
Accuracy:	±0.05pH
EC/TDS Range:	0 to 3999µS/cm (0 to 2000ppm)
Resolution:	1µS/cm (1ppm)
Accuracy:	±2% f.s.
Temperature Range:	0 to 60°C
Resolution:	0.1°C
Accuracy:	±0.5°C

Model	Description	Price
HI98129	pH/EC/TDS/Temperature Meter	\$155

pH/Conductivity/Temperature Meter



Features:

- Waterproof, dustproof housing: IP67 rated - it floats.
- Toggle between pH/°C and conductivity/°C readings for the convenience of three meters in one!
- Dual display shows measured parameter plus temperature simultaneously. Read two parameters at a glance; mode annunciators make readings easy to understand
- Separate pH and conductivity probes reduces replacement costs and lets you use specialty probes
- Easy push-button pH and conductivity calibration. Calibrate pH at up to 5 points and conductivity at up to 5 points for high accuracy over the entire measuring range
- Auto-buffer recognition for pH calibration
- Auto-ranging for conductivity measurements for fast response over a wide range
- Automatic endpoint: Automatically freezes reading when stable
- Selectable manual or automatic temperature compensation for the highest accuracy in any situation
- Hold function, ready indicator and automatic shut-off
- Easy to clean housing: Ideal for dirty, wet environments

Finally a waterproof meter that does it all! Measure pH, conductivity and temperature without switching meters. The **pH/CON 300** features a superior waterproof and dustproof housing with IP67 rating. This meter reads pH from -2 to 16, auto ranging conductivity over five ranges up to 199.9 mS, and temperature in °C or °F (selectable).

Advanced setup mode lets you customize meter parameters and view calibration values for both pH and conductivity and pH electrode slope for diagnostic purposes.

The waterproof **pH/CON 300** comes with pH electrode, combination conductivity cell and temperature sensor, instruction manual, and batteries, **pH/CON 300** kits are available. Kits include: meter, pH electrode with 3-ft. cable, combination conductivity/temperature probe with 3-ft. cable. Calibration solution pouches (three each pH 4.01, 7.00, 10.00 and two each conductivity 447 µS, 1413 µS, 2764 µS, 15,000 µS), 3 rinse water pouches, sample bottle, instructions and hard carrying case.

Specifications:

pH

Range:	-2.00 to 16.00 pH
Resolution:	0.01 pH
Accuracy:	±0.01 pH
Calibration:	Up to 5 points (pH 1.68, 4.01, 7.00, 10.01 and 12.45)

CONDUCTIVITY

Range:	0 to 19.99 µS, 199.9 µS, 1999 µS, 19.99 mS, 199.9 mS
Resolution:	0.01 µS, 0.1 µS, 1 µS, 0.01 mS, 0.1 mS
Accuracy:	±1% f.s. or ±1 digit
Calibration:	Up to 5 points (1 point per range)

TEMPERATURE

Range:	0.0 to 100.0°C/32.0 to 212.0°F
Resolution:	0.1°C/0.1°F
Accuracy:	±0.5°F/±0.5°F
Calibration:	Offset in 0.1°C/0.1°F increments

GENERAL

Temp. Compensation:	Auto or manual (selectable), 0 to 100°C
Operating Temp.:	0 to 50°C (32 to 122°F)
Cond. Cell Constant (K):	1.0
Cond. Temp. Coefficient:	Fixed at 2.00% per °C
Power Supply:	4 x 1.5V AAA batteries
Battery Life:	200 hours continuous use
Dimensions:	7.5 x 3.5 x 1.75" (19 x 9 x 4.5 cm)
Weight:	1.0 lb. (0.45 kg)

Model	Description	Price
WD-35631-00	pH/Conductivity/Temp. Meter	\$934
WD-35631-60	pH/CON 300 Meter Kit	\$1043
WD-35801-00	Replacement pH Electrode	\$53
WD-35608-50	Replacement Conductivity/Temp. Probe	\$147
WD-35805-01	pH Electrode	\$86
WD-35808-71	"All in One" pH/Temp. Probe	\$115
WD-35618-05	Temperature Probe	\$66

Conductivity Meter



Due to adverse weather conditions associated with on-site use of a meter that can rapidly deteriorate its performance and life, Hanna has developed the **HI9033** to satisfy all field applications needs. This portable meter displays conductivity in one of four selectable ranges (from 0.0 to 199.9 mS/cm) and features a splash-resistant membrane keypad to protect against moisture and dust.

Dip-style conductivity sensor is constructed of PVC and stainless steel. All conductivity readings, from deionized water to brine, are performed through this rugged 4-ring potentiometric probe.

This probe is so technologically advanced that it can measure any sample in any range of the meter without requiring recalibration. BEPS (Battery Error Preventive System) will alert the user when low batteries could effect the readings. In the event of an emergency in the field, a 12 VDC plug enables the meter to operate from the power of a car battery.

Specifications:

Range/Resolution:	0.0 to 199.9 μ S/cm / 0.1 μ S/cm; 0 to 1999 μ S/cm / 1 μ S/cm; 0.00 to 19.99 mS/cm / 0.01 mS/cm; 0.0 to 199.9 mS/cm / 0.1 mS/cm
Accuracy:	1% of full scale
Calibration:	Single point
Temperature Compensation:	Automatic from 10 to 40°C (50 to 104°F) with β of 2% per degree
Power Supply:	1 x 9V battery; Power socket for 12VDC
Battery Life:	100 hours of continuous use
Environment:	0 to 50°C (32 to 122°F); 100% RH
Dimensions:	196 x 80 x 60mm (7.7 x 3.1 x 2.4")
Weight:	425 g (15 oz); Kit: 1.4 kg (3.1 lbs)
Includes:	An HI76302 conductivity probe with 1m cable and a rugged carrying case

Model	Description	Price
HI9033	Conductivity Meter	\$600

ORP & Pure Water Testers

Features:

- Applications include: waste water monitoring, schools, aquariums, fish hatcheries, laboratories, food processing, photography, quality control and swimming pools
- Large LCD display with high accuracy
- Data Hold function
- Includes battery
- Probe sold separately
- Measurement Range: -1999 mV to +1999 mV



Features the four main parameters in water analysis - pH, oxide-reduction potential, dissolved solids content and temperature. It turns on automatically when the analyzing compartment is filled. The variable to be measured is selected by means of a front panel switch. The ranges have been specifically designed to satisfy all requirements in monitoring biological and industrial waste water.

Specifications:

pH	
Range:	0.0 to 14.00 pH
Resolution:	0.1 pH
Accuracy:	\pm 0.2 pH
ORP	
Range:	-1000 to +1000 mV
Resolution:	1 mV
Accuracy:	\pm 5 mV
CONDUCTIVITY	
Range:	0 to 1999 μ S/cm
Resolution:	1 μ S/cm
Accuracy:	\pm 2% F.S.
TEMPERATURE	
Range:	0.0 to +60°C
Resolution:	0.1°C
Accuracy:	\pm 0.2°C
GENERAL	
Power Supply:	3 x 1.4V batteries
Dimensions:	190 x 95 x 70 mm
Weight:	260 g



Model	Description	Price
YK-23RP	ORP Tester	\$120
ORP-14	ORP Electrode	\$99
CA-52A	Soft Carrying Case	\$15

Model	Description	Price
HI98204	Water Tester	\$237

Conductivity/TDS/Temperature Meters

Features:

- Dual-level LCD displays EC/TDS and temperature simultaneously
- Temperature displayed in °C or °F
- Stability of EC and TDS measurements is indicated
- Choose between different Beta factors for precise temperature compensated measurements
- Choose between different conductivity to TDS conversion factors
- Automatic temperature compensation with adjustable factor
- Indicates percentage of battery power remaining when turned on
- Automatic shut-off
- Floating, waterproof casing
- Replaceable graphite electrode cartridge
- One-handed push button operation
- Supplied complete with protective cap, electrode removal tool, batteries and instructions



Specifications:

Model		DIST5	DIST6
Ranges	EC:	0 to 3999 μ S/cm	0.00 to 20.00 mS/cm
	TDS:	0 to 2000 ppm	0.00 to 10.00 ppt
	Temp.:	0.0-60.0°C or 32.0 to 140.0°F	0.0 to 60.0°C or 32.0 to 140.0°F
Resolution	EC:	1 μ S/cm	0.01 mS/cm
	TDS:	1 ppm	0.01 ppt
	Temp.:	0.1°C or 0.1°F	0.1°C or 0.1°F
Accuracy	EC:	±2% f.s.	
	TDS:	±2% f.s.	
	Temp.:	±0.5°C or ±1°F	
EMC Deviation	EC:	±2% f.s.	
	TDS:	±2% f.s.	
	Temp.:	±0.5°C or ±1°F	
EC/TDS Calibration:	Automatic 1 point		
EC/TDS C.F.:	Adjustable from 0.45 to 1.00		
Temp. Compensation:	Automatic, adjustable from 0.0 to 2.4%/°C		
Power Supply:	4 x 1.5V batteries		
Battery Life:	100 hours of continuous use		
Dimensions:	163 x 40 x 26 mm (6.4 x 1.6 x 1")		
Weight:	85 g (3.0 oz)		

Model	Description	Price
HI98311	DIST5 Conductivity/TDS/Temp. Tester	\$105
HI98312	DIST6 Conductivity/TDS/Temp. Tester	\$105
HI73311	Replacement Electrode	\$59
HI70031P	Calibration Kit (1413 μ S/cm, 25 x 20ml)	\$28
HI70032P	Calibration Kit (1382 ppm, 25 x 20ml)	\$28
HI70038P	Calibration Kit (6.44 ppt, 25 x 20ml)	\$28
HI70030P	Calibration Kit (12.88 mS/cm, 25 x 20ml)	\$28
HI70442P	Calibration Kit (1500 ppm, 25 x 20ml)	\$28

Conductivity/TDS/Temperature Meter



Features:

- User selectable °C/°F
- Min/Max Recall and Data Hold
- RS232 Interface
- Auto shut off
- Includes conductivity/TDS probe and hard carrying case
- Conductivity Range: 2 mS, 20 mS
- TDS Range: 2,000 ppm, 20,000 ppm
- Temperature Range: 0 to 60°C (32 to 140°F)

Model	Description	Price
YK-22CT	Conductivity/TDS/Temp. Meter	\$295
SW-U801-WIN	Data Acquisition Software	\$89
UPCB-02	RS232 Cable	\$30
USB-01	USB Cable	\$68