



H10C Handheld Conductivity Meter



ELECTRO-CHEMICAL DEVICES

H10C Handheld Conductivity, Salinity, TDS & Temp Meter

- Large LCD Display with Backlight
- Displays Conductivity, Salinity or TDS and Temp.
- 4 wire Conductivity Electrode with TC
- Calibration stored in nonvolatile memory
- Adjustable TDS and Temp. Coefficients



Description

The H10C Handheld Conductivity, Salinity, TDS and Temperature meter is a microprocessor based precision instrument. The meter has a large LCD that displays the Conductivity, Salinity or TDS and Temperature along with user prompts and measurement mode indicators. The IP67 waterproof case has a shock resistant protective rubber boot and highly reliable keys that provide both tactile and audio feedback. The H10C is battery powered (four 1.5 volt AAA batteries).

A few key strokes will adjust all of the parameters for the probe including the TDS constant, Reference Temperature and Temperature Coefficient. The Mode Key toggles the display between the Conductivity, Salinity (ppt) and TDS (mg/L) screens. A single 4-wire electrode will measure Conductivity, Salinity and TDS. Additional features include automatically finds the best range for each measurement mode and has automatic temperature compensation.

Meter and Electrodes sold separately.

Part #	Description
1100510	H10C Conductivity/Temperature meter
2008210	4 wire Cond/Temp electrode, K=0.5, 0-200mS/cm with 8 pin DIN connector
1000560-1	Conductivity Calibration Solutions Kit

Specifications

Electrode Type	4 wire Cond. / TC
Reference Temperature	59 to 77°F (15.0° to 25.0°C) Default 77°F (25.0°C)
Temperature Coefficient	0.0% to 4.0% (Default 1.91%)
TDS Constant	0.30 to 1.00 (Default 0.65)
Power	4 AAA batteries (6VDC)
Display	2 in x 1 3/8 in, LCD
Ambient Temperature Range	32 to 77°F (0° to 50°C)
Relative Humidity	Up to 90%
Case	IP67
Dimensions	3"x6.2"x1.4" (75mmx157mmx35mm)
Weight(with Batteries)	8.1 oz (230 g)

Display	Range	Resolution	Accuracy
Conductivity	0.000 to 499.9 µS/cm	0.1 µS/cm	±1%
	500 to 4999 µS/cm	1.0 µS/cm	±1%
	5.00 to 49.99 mS/cm	0.01 mS/cm	±1%
	50.0 to 200 mS/cm	0.1 mS/cm	±2.5%
Salinity	0.00 to 70.0 ppt	0.01 ppt	±0.2% FS
Temperature	0.0 to 100°C	0.1°C	±0.2°C

H10 Handheld pH/ORP Meter



ELECTRO-CHEMICAL DEVICES

H10 Handheld pH/ORP & Temperature Meter

- Large LCD Display with Backlight
- Displays pH or mV and Temperature
- Resolution of 0.1 mV in ORP or Ion Mode
- Automatic or Manual Temp. Compensation
- Automatic Buffer Recognition
- Calibration stored in nonvolatile memory



Description

The H10 Handheld pH/ORP and Temperature meter is a microprocessor based precision instrument. The meter has a large LCD that displays the pH or millivolts and Temperature along with user prompts and measurement mode indicators.

The H10 features Automatic Temperature Compensation and Automatic pH buffer recognition for both US and NIST primary standard buffers. Calibrations can be single, dual or three point calibrations. The AUTOLOCK function in both the pH and mV modes senses the end point of a calibration or measurement and locks the reading once the sensor has stabilized. Electrode offset and slope are monitored and the pH electrode efficiency is displayed.

The IP67 waterproof case has a shock resistant protective rubber boot and highly reliable keys that provide both tactile and audio feedback. The H10 is battery powered (four 1.5 volt AAA batteries).

Meter and Electrodes sold separately.

Part #	Description
1100500	H10 pH/ORP/Temp meter
2008200	pH/Temp electrode
2008240	ORP electrode
2008019	pH Electrode (no Temp)
1000550-1	pH Buffer Kit, 4.01, 7.00, 10.00

Specifications

pH Buffer Recognition	(US) 7.00, 4.01, 10.01 (NIST) 6.86, 4.01, 9.18
pH Temp. Compensation	-10.0° to 120°C
pH Buffer Temp. Range	0.0° to 60°C
pH Offset Recognition	± 1.5 pH
pH Slope Recognition	± 30% of theoretical
Autolock sensing & Hold	Yes
Audio Feedback	All Keys
Calibration Back up	EEPROM
Input Impedance	> 10 ¹² Ω
Temperature Sensor	Thermistor, 10KΩ @25°C
Display	2 in x 1¾ in, LCD
Case	IP67 waterproof
Ambient Temperature	0° to 50°C
Relative Humidity	Up to 90%
Dimensions (W x D x H)	75mmx157mmx35mm
Weight (Batteries Included)	230 gm (0.51 lb.)

Display	Range	Resolution	Accuracy
pH	-2.00 to 16.00 pH	0.01 pH	± 0.02 pH
mV	-1999.9 to 1999.9mV	0.1 mV	± 0.1% FS
Temp.	0.0 to 100.0°C	0.1°C	± 0.5°C