

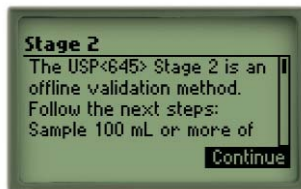
EC Meter with USP

HI 98188 conductivity meter has an extended range from 0.001 $\mu\text{S}/\text{cm}$ to 400 mS/cm , as well as resistivity and 3 salinity scales. This meter also automatically recognizes the probe type (2 or 4-ring and nominal cell constant). Both linear and natural water temperature compensation is available and the reference temperature is user adjustable. Ten sets of measurement parameters (such as reference temperature, temperature compensation mode, TDS factor, calibration etc.) can be stored as a user profile for later use. Other features include USP <645> stages 1, 2 and 3 mode, up to 5 calibration points, log-on-demand and interval logging.



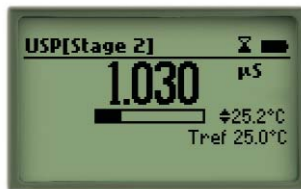
3 Stage Conformity

This meter can perform all 3 stages of USP <645> water quality testing requirements.



On-screen Guide

Users are provided with on-screen instructions for each USP stage.



Progress Bar

Meter displays progress towards meeting stage 2 stability requirements.



User Profiles

10 sets of measurement parameters can be stored in user profiles for later retrieval.

ORDERING INFORMATION

HI 98188 is supplied with HI 76310 4-ring conductivity probe with built-in temperature sensor, calibration solution; (4) 1.2V AA, 1300 mAh rechargeable batteries; HI 710042-01 inductive battery charger with power adapter; rugged carrying case and instructions.

SPECIFICATIONS		HI 98188
EC	Range	0 to 400mS/cm (actual conductivity 1000 mS/cm) 0.001 to 9.999 $\mu\text{S}/\text{cm}$; 10.00 to 99.99 $\mu\text{S}/\text{cm}$; 100.0 to 999.9 $\mu\text{S}/\text{cm}$; 1.000 to 9.999 mS/cm; 10.00 to 99.99 mS/cm; 100.0 to 1000.0 mS/cm (autoranging)
	Resolution	0.001 $\mu\text{S}/\text{cm}$; 0.01 $\mu\text{S}/\text{cm}$; 0.1 $\mu\text{S}/\text{cm}$; 0.001 mS/cm; 0.01 mS/cm; 0.1 mS/cm
	Accuracy	$\pm 1\%$ of reading ($\pm 0.01 \mu\text{S}/\text{cm}$ or 1 digit, whichever is greater)
Resistivity	Range	1 to 999.9 Ohm-cm; 1.000 to 9.999 kOhm-cm; 10.00 to 99.99 kOhm-cm; 100.0 to 999.9 kOhm-cm; 1.0 to 100.0 MOhm-cm (autoranging)
	Resolution	0.1 Ohm-cm; 0.001 kOhm-cm; 0.01 kOhm-cm; 0.1 kOhm-cm; 0.1 MOhm-cm
	Accuracy	$\pm 2\%$ of reading ($\pm 1 \text{ Ohm-cm}$ or 1 digit, whichever is greater)
TDS	Range	0.00 to 99.99 ppm; 100.0 to 999.9 ppm; 1.000 to 9.999 g/L; 10.00 to 99.99 g/L; 100.0 to 400.0 g/L (autoranging)
	Resolution	0.01 ppm; 0.1 ppm; 0.001 g/L; 0.01 g/L; 0.1 g/L
	Accuracy	$\pm 1\%$ of reading ($\pm 0.05 \text{ ppm}$ or 1 digit, whichever is greater)
NaCl	Range	%: 0.0 to 400.0%; seawater scale: 0.00 to 80.00 (PSU); Practical salinity: 0.01 to 42.00
	Resolution	0.1%; 0.01
	Accuracy	$\pm 1\%$ of reading
Temperature	Range	-20.0 to 120.0°C
	Resolution	0.1°C
	Accuracy	$\pm 0.2^\circ\text{C}$ (excluding probe error)
Calibration	EC	Automatic up to 5 points with 7 memorized standards (0.00 $\mu\text{S}/\text{cm}$, 84.0 $\mu\text{S}/\text{cm}$, 1.413 mS/cm, 5.00 mS/cm, 12.88 mS/cm, 80.0 mS/cm, 111.8 mS/cm)
	NaCl	1 point only in % range (with HI 7037 buffer); Use conductivity calibration for all other ranges
	Temperature	1 or 2 points
Temperature Compensation		-20.0 to 120.0°C
Reference Temperature		15°C, 20°C and 25°C
TDS Factor		0.40 to 1.00
Probe		HI 76310 4-ring EC probe with built-in temperature sensor
Logging	Log-on-demand	400 samples
	Interval	5 seconds to 1 minute
PC Connectivity		Opto-isolated USB (with HI 92000 software)
Battery Type/Life		(4) 1.2V AA rechargeable batteries/approx. 100 hrs continuous use (without backlight)
Recharger		Inductive recharger (included)
Auto-off		User Selectable: 5, 10, 30, 60 min or can be disabled
Environment		IP67
Dimensions		226.5 x 95 x 52 mm (8.9 x 3.75 x 2")
Weight		525 g