

## Specifications

## HI6321

Conductivity	Range	0.000 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 $\text{mS}/\text{cm}$ ; 10.00 to 99.99 $\text{mS}/\text{cm}$ ; 100.0 to 1000.0 $\text{mS}/\text{cm}$
	Resolution	0.001 $\mu\text{S}/\text{cm}$ ; 0.01 $\mu\text{S}/\text{cm}$ ; 0.1 $\mu\text{S}/\text{cm}$ ; 0.001 $\text{mS}/\text{cm}$ ; 0.01 $\text{mS}/\text{cm}$ ; 0.1 $\text{mS}/\text{cm}$
	Accuracy	$\pm 1\%$ of reading ( $\pm 0.01 \mu\text{S}/\text{cm}$ )
	Cell Constant	0.0500 to 200.0000 /cm
	Calibration Type	Automatic; Manual
	Calibration Points	Single; Multiple
	Calibration Solutions	84.00 $\mu\text{S}/\text{cm}$ ; 1.413 $\text{mS}/\text{cm}$ ; 5.000 $\text{mS}/\text{cm}$ ; 12.88 $\text{mS}/\text{cm}$ ; 80.00 $\text{mS}/\text{cm}$ ; 111.8 $\text{mS}/\text{cm}$
	Calibration Reminder	Disabled Daily: 0 min. to 23 hours and 59 min. Periodic: 1 min. to 30 days, 23 hours and 59 min.
	Temperature Compensation	Linear; Natural; Standard; Disabled
	Reference Temperature	Range 5.0 to 30.0 $^{\circ}\text{C}$ (41.0 to 86.0 $^{\circ}\text{F}$ ) Resolution 0.1 $^{\circ}\text{C}$ / 0.1 $^{\circ}\text{F}$
Resistivity	Temperature Coefficient	0.00 to 10.00 $\%/^{\circ}\text{C}$
	Range	1.0 to 99.9 $\Omega\cdot\text{cm}$ ; 100 to 999 $\Omega\cdot\text{cm}$ ; 1.00 to 9.99 $\text{K}\Omega\cdot\text{cm}$ ; 10.0 to 99.9 $\text{K}\Omega\cdot\text{cm}$ ; 100 to 999 $\text{K}\Omega\cdot\text{cm}$ ; 1.00 to 9.99 $\text{M}\Omega\cdot\text{cm}$ ; 10.0 to 100.0 $\text{M}\Omega\cdot\text{cm}$
	Resolution	0.1 $\Omega\cdot\text{cm}$ ; 1 $\Omega\cdot\text{cm}$ ; 0.01 $\text{K}\Omega\cdot\text{cm}$ ; 0.1 $\text{K}\Omega\cdot\text{cm}$ ; 1 $\text{K}\Omega\cdot\text{cm}$ ; 0.01 $\text{M}\Omega\cdot\text{cm}$ ; 0.1 $\text{M}\Omega\cdot\text{cm}$
Total Dissolved Solids (TDS)	Accuracy	$\pm 1\%$ of reading ( $\pm 1 \Omega\cdot\text{cm}$ )
	Range	0.000 to 9.999 ppm; 10.00 to 99.99 ppm; 100.0 to 999.9 ppm; 1.000 to 9.999 ppt; 10.00 to 99.99 ppt; 100.0 to 400.0 ppt; actual TDS (with 1.00 factor)
	Resolution	0.001 ppm; 0.01 ppm; 0.1 ppm; 0.001 ppt; 0.01 ppt; 0.1 ppt
Salinity	Accuracy	$\pm 1\%$ of reading ( $\pm 0.01 \text{ ppm}$ )
	Range	0.00 to 42.00 PSU - Practical Scale 0.00 to 80.00 ppt - Natural Sea Water 0.0 to 400.0 % - Percent Scale
	Resolution	0.01 for Practical Scale / Natural Sea Water 0.1 % for Percent Scale
	Accuracy	$\pm 1\%$ of reading
Temperature	Calibration	1 point for percent scale, using 100 % salinity calibration solution
	Range	-20.0 to 120.0 $^{\circ}\text{C}$ -4.0 to 248.0 $^{\circ}\text{F}$ 253.0 to 393.0 K
	Resolution	0.1 $^{\circ}\text{C}$ ; 0.1 $^{\circ}\text{F}$ ; 0.1 K
	Accuracy	$\pm 0.2 \text{ }^{\circ}\text{C}$ ; $\pm 0.4 \text{ }^{\circ}\text{F}$ ; $\pm 0.2 \text{ K}$
Reading	Calibration	Single point, adjustable
	Modes	Direct Direct/Autohold
	Stability criteria	Accurate Medium Fast
Views	Basic	Conductivity, Resistivity, TDS, Salinity, Temperature measurement data Measurement profile (if enabled) Stability stats
	Simple GLP	Basic view information Last calibration date, offset
	Full GLP Conductivity & Salinity	Simple GLP information and calibration point details Cell constant, reference and source temperature
	Graph (Plot)	Measurement versus time graph (panned or zoomed)
	Table	Measurements updated every second (displayed in table)
Logging	Type	Automatic, Manual, Autohold
	Number of records	50 000 maximum per file Stores at least 1 000 000 data points per user
	Automatic interval	1, 2, 5, 10, 30 seconds 1, 2, 5, 10, 15, 30, 60, 120, 150, 180 minutes
	Sample ID	Incremental mode or manual
	Export option	.CSV file format
Users		Up to 9 users and the default administrator account
Connectivity	USB-A	2 ports for keyboard input, USB thumb drive, and USB printer
	USB-C	1 port for PC connectivity and USB-C type thumb drive
	Wi-Fi & Ethernet	FTP Web server Log transfer and download Email
	RS232	Connecting peripherals
Power supply		DC adapter 100-240 VAC to 24 VDC 2 A
Environment		0 - 50 $^{\circ}\text{C}$ / 32 - 122 $^{\circ}\text{F}$ / 273 - 323 K maximum 95% RH non-condensing
Dimensions		205 x 160 x 77 mm (8.0 x 6.2 x 3.0 ")
Weight		Approximately 1.2 kg (26.5 lbs.)
Ordering Information		<b>HI6321</b> is supplied with HI7631233 EC and resistivity probe; HI764060 electrode holder with following accessories: base plate (with integrated pivot pin) and screw (requires installation), cable holder clip, attached, electrode holder with adapter (attached); EC calibration starter kit consisting of: 1413 $\mu\text{S}/\text{cm}$ standard solution (4 sachets), 12880 $\mu\text{S}/\text{cm}$ standard solution (2 sachets), 5000 $\mu\text{S}/\text{cm}$ standard solution (2 sachets); electrode rinse solution (2 sachets); 24 VDC power adapter; USB-C to USB-A cable; probe quality certificate; quick reference guide; instrument quality certificate.