

Specifications:

Range	pH	-2.000 to 20.000
	mV	±2000.0 mV
	Relative mV	±2000.0 mV
	ORP	±2000.0 mV
	Conductivity	0.001µS/cm to 3000 mS/cm
	TDS	0.001 to 200.0 ppm
	Salinity	0.006 to 80.00 psu, 0.05 to 42.00 ppt
	Resistivity	2 ohm to 100.0 meg-ohm
	Temperature	-5.0°C to 105.0°C / 22.0°F to 221.0°F
Resolution	pH	0.1, 0.01, 0.001 pH
	mV	0.1 mV
	Conductivity	0.001 µS minimum, auto ranging up to 4 significant digits
	TDS	0.001 ppm minimum, auto ranging up to 4 significant digits
	Salinity	0.01 psu or 0.01 ppt minimum, auto ranging
	Resistivity	1 ohm or 0.1 meg-ohm, auto ranging
	Temperature	0.1°C / 0.1°F
Accuracy	pH	±0.002 pH
	mV	±0.2 mV or ±0.05% of reading, whichever is greater
	Conductivity	0.5% of reading ± 1 digit > 3 µS; 0.5% of reading ± 0.01 µS ≤ 3 µS
	TDS	0.5% of reading ± 1 digit
	Salinity	0.5% of reading ± 1 digit
	Resistivity	0.5% of reading ± 1 digit
	Temperature	±0.1°C
TDS Factor Range		Linear (0.02 to 9.99)
Salinity Measurement Modes		Practical salinity (psu) or natural sea water (ppt)
Cell Constant		0.001 to 199.9 cm ⁻¹
Compatible Conductivity Probes		2-cell or 4-cell conductivity sensors with built-in temperature
Calibration		pH with calibration editing option, relative mV (RmV), ORP and temperature
Calibration Points	pH	1 to 6
	RmV/ORP	1 point relative mV (RMV) mode / 1 point ORP mode
	Conductivity	Up to 6
	Temperature Probe	1 point temperature offset calibration
Isopotential Point		7.000 pH (adjustable)
Temperature Selection		Manual or automatic with ATC temperature probe
Channels		4 — customizable with modules
Display Type		Color graphic LCD with user-customizable options
Backlight Option		Yes
Keypad		Numeric with menu-specific function keys and dual purpose scroll/shortcut keys
Measurement modes		pH / mV / RmV / ORP with Temperature and Conductivity / TDS / Salinity / Resistivity with Temperature
Stability		Selectable fast, medium, slow or Smart Stability setting; Selectable off orAutomatic Smart averaging setting
Data Management Details		Transfer single, range or all data points to printer or computer
Data Points		2000 with date and time stamp
Log Function Type		Automatic data logging with Auto-Read, Timed and Single Shot measure modes;manual data logging with Continuous measure mode
Memory		Non-volatile memory preserves data log, calibration log, and meter settings
Alarm Output		Set point alarm, high/low limit alarm, calibration due alarm
Methods		10 per channel with password protection
Languages		English, Spanish, French, Italian, German, Chinese, Portuguese and Korean
Inputs		BNC (pH or ORP electrode), pin-tip (reference elctrode), 8 pin MiniDIN (ATC temperature probe), 8 pin MiniDIN (conductivity sensor with built-in temperature), two stirrer inputs (stirrer probe)
Outputs		USB (2), RS232
Probe Type		pH electrode, ORP electrode, reference half-cell electrode, ATC temperature probe, Conductivity sensor, stirrer probe (purchase separately)
Power Supply		Universal AC adapter (included)
AC Adapter		Universal 50-60 Hz, 100-240VAC power adapter (Cat. No. STARA-PWR)
IP Rating		IP-54
Certifications/Compliance		CE, TUV 3-1, FCC Class A
Operating Temperature		5° to 45°C / 41° to 113°F
Relative Humidity Range		5 to 85%, non-condensing
Dimensions (L x W x H)		28 cm x 24 cm x 10 cm / 11 in. x 9.5 in. x 3.9 in.(Modules add ≤ 2 cm / 0.8 in. L & H)
Weight		1.2 kg / 2.5 lb. (Modules add 0.2 kg / 0.5 lb. each)
Warranty		3 year meter and module warranty