

Specifications:

Range	pH	-2.000 to 20.000
	mV	±2000.0 mV
	Relative mV	±2000.0 mV
	ORP	±2000.0 mV
	ISE	0.0001 to 19990 with selectable units of ppm, Molar, mg/L, %, ppb or none
	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
	ISE	0.0001 minimum, 1 to 4 significant digits (user selectable)
	Temperature	0.1°C / 0.1°F
Accuracy	pH	±0.002 pH
	mV	±0.2 mV or ±0.05% of reading, whichever is greater
	ISE	±0.2mV or ±0.05% of reading, whichever is greater
	Temperature	±0.1°C
Advanced ISE Functions		Timed endpoint, linear point to point, non-linear selectable auto-blank, low concentration range stability, incremental techniques including single known addition and subtraction, double known addition and subtraction, single analyte addition and subtraction
Calibration		pH with calibration editing option,ion concentration (ISE) 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
	ISE	1 to 6
	Temperature Probe	1 point temperature offset calibration
Isopotential Point		7.000 pH (adjustable), 1.000 ISE (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 or ISE (ion concentration) 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 or ISE electrode), pin-tip (reference elctrode), 8 pin MiniDIN (ATC temperature probe), two stirrer inputs (stirrer probe)
Outputs		USB (2), RS232
Probe Type		pH electrode, ORP electrode, ion selective elctrode (ISE), reference half-cell electrode, ATC temperatureprobe, stirrer probe (includes 8102BNUWP ROSS® Ultra® Glass-Body pH Electrode, 927007MD Orion™ Stainless Steel ATC Probe, 096019 Orion™ Star® Stirrer Probe)
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