

pH Range	-2.0 to 20.0 pH; -2.00 to 20.00 pH; -2.000 to 20.000 pH
pH Resolution	0.1 pH; 0.01 pH; 0.001 pH
pH Accuracy	±0.1; ±0.002 pH
pH Calibration	up to five point calibration, seven standard buffers available (1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45) + five custom buffers
mV Range	±2000 mV
mV Resolution	0.1 mV
mV Accuracy	±0.2 mV
ISE Range	from 1.00 E ⁻⁷ to 9.99 E ⁱ⁰ concentration
ISE Resolution	3 digits 0.01; 0.1; 1; 10 concentration
ISE Accuracy	±0.5% of reading (monovalent ions), ±1% of reading (divalent ions)
ISE Calibration	up to five point calibration, seven standard solutions (choice of concentration)
Temperature Range	-20.0 to 120.0°C (-4.0 to 248.0°F)
Temperature Resolution	0.1°C (0.1°F)
Temperature Accuracy	±0.4°C (±0.8°F) (excluding probe error)
Temperature Compensation	manual or automatic from -20.0 to 120.0°C (-4.0 to 248.0°F)
Slope Calibration	from 80 to 110%
Electrode/Probe	HI72911B Titanium body, pH electrode with internal temperature sensor, BNC connector and 1 m (3.3' cable)
Input Impedance	10 ¹² Ohms

Log-on-demand	300 samples (100 each range pH, mV and ISE)
PC Connectivity	opto-isolated USB with optional HI 92000 software and micro USB cable
Battery Type/Life	1.5V AA batteries (4) / approximately 200 hours of continuous use without backlight (50 hours with backlight)
Auto-off	user selectable: 5, 10, 30, 60 min or can be disabled
Environment	0 to 50°C (32 to 122°F); RH 100% (IP67)
Dimensions	185 x 93 x 35.2 mm (7.3 x 3.6 x 1.4")
Weight	400 g (14.2 oz.)
Ordering Information	HI98191 is supplied with HI72911B titanium body pH electrode, HI7004M pH 4.01 buffer solution (230 mL), HI7007M pH 7.01 buffer solution (230 mL), HI700601 electrode cleaning solution sachet (2), 100 mL plastic beaker (2), 1.5V AA batteries (4), HI92000 PC software, HI920015 micro USB cable, instruction manual, quick start guide, instrument quality certificate and HI720191 hard carrying case.