

pH & ORP MONITOR / CONTROLLERS

720 Series II



SPECIFICATIONS

Ranges	0-14 pH or ± 2000 mV ORP
Display	Analog Models: 2.5 in./63 mm Meter Digital Models: .5 in./13 mm 3½ Digit LCD; Optional: 3½ Digit Backlit
Linearity	Electronics: $\pm 0.05\%$ (± 0.01 pH units / ± 1 mV of full scale)
Resolution	Digital Display: ± 0.01 pH units/ ± 1 mV Analog Meter: ± 0.13 pH units/ ± 40 mV
Sensitivity	0.05% of full scale (0.01 pH units/1.0 mV)
Stability	$\pm 0.05\%$ of full scale (± 0.01 pH units/ ± 1.0 mV)
Repeatability	$\pm 0.05\%$ of full scale (± 0.01 pH units/ ± 1.0 mV)
Calibration Check	Built in (7 and 0 pH / 0 and -2000 mV)
Recorder Output	Isolated 0-10 VDC @ 5 mA max. (linear); standard all models
Output Impedance	100 Ω $\pm 5\%$
Sensor Inputs	1; 3 input option available. (pH & ORP sensors may NOT be mixed).
Control Function	Single Alarm/controller fully adjustable 0-100% of full scale Hysteresis: Adjustable from 0.3-3% of full scale Indicators: Above (red) and below (green) set point LEDs (reversible) Contact Rating: SPDT 10 amp @ 125 VAC, 30 VDC. Relay operates increasing or decreasing reading (selectable) Second Alarm/controller, with above specifications - optional
Solid State Output	Powered; 24 VDC Unregulated 30 mA max.
Power	115/230 VAC, 50/60 Hz, $\pm 15\%$ (user selectable) 24 VDC or AC optional
Maximum Power Consumption	@ 115V: 100 milliamps
Dimensions	152 H x 122 W x 96 D mm / 6 H x 4.8 W x 3.8 D in.
Construction	Fully gasketed heavy-duty ABS case; water resistant and corrosion proof IP65/NEMA 4X rated
Ambient Temp Range	0 - 60°C / 32 - 140°F
Weight	0.9 kg/2 lbs.

pH/ORP SENSORS

These highly accurate sensors utilize a preamplifier to ensure stability over longer distances, and to eliminate potential noise problems thereby ensuring accurate repeatable readings. In addition, these reliable sensors feature an integral temperature sensor to ensure accurate and rapid automatic temperature compensation. Several choices of sensors are available, in 1/2" MNPT or 3/4" MNPT, depending on the demands of the application. The basic pH sensor utilizes the standard round glass electrode with a single reference junction. The basic ORP sensor utilizes a Platinum electrode with a single reference junction. See pH/ORP Sensor Selection Guide for additional information.



NOTE: Heavy Duty "F" model sensors may be installed in ANY direction including inverted.

SPECIFICATIONS

Temperature Compensation: Integral temperature sensor provides automatic TC to 25°C between 0 - 100°C / 32 - 212°F.

Pressure/Temperature Limits: P72S: Intermittent use up to 50 psi/690kPa 100°C/212°F. High Temperature models available, see pH/ORP Sensor Selection Guide.

Cable: 5 wire, 24 ga. shielded, 10 ft./3 meters standard. 25 and 100 ft. / 8 and 30 meter lengths available.

Material: CPVC body standard.

Dimensions: P72S typical: overall length 165 mm/6.5 in., body 127 mm/5 in., electrode length 19 mm/.75 in.