



Water Quality Instrumentation pH & ORP

720 Series II

Benefits

- Affordable
- Ease of Operation
- Low Maintenance
- Ensures Product Quality

Applications

- Process Control
- Reverse Osmosis
- Seawater Desalination
- Waste Treatment
- Food Processing
- Plating
- Power Plants
- Laboratories
- Printing
- Paper and Pulp
- Boilers & Cooling Towers
- Potable Water
- Waste Water Treatment
- Swimming Pools & Spas
- Bleach Manufacturing
- Reduction of Chromate Waste
- Environmental

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: Analog Meter: ± 0.13 pH units/ ± 40 mV
Digital Display: ± 0.01 pH units/ ± 1 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 VAC or VDC 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 corrosion proof IP65/NEMA 4X rated
- Weight: 0,9 kg/2 lbs.

pH/ORP SENSOR PART NUMBERS

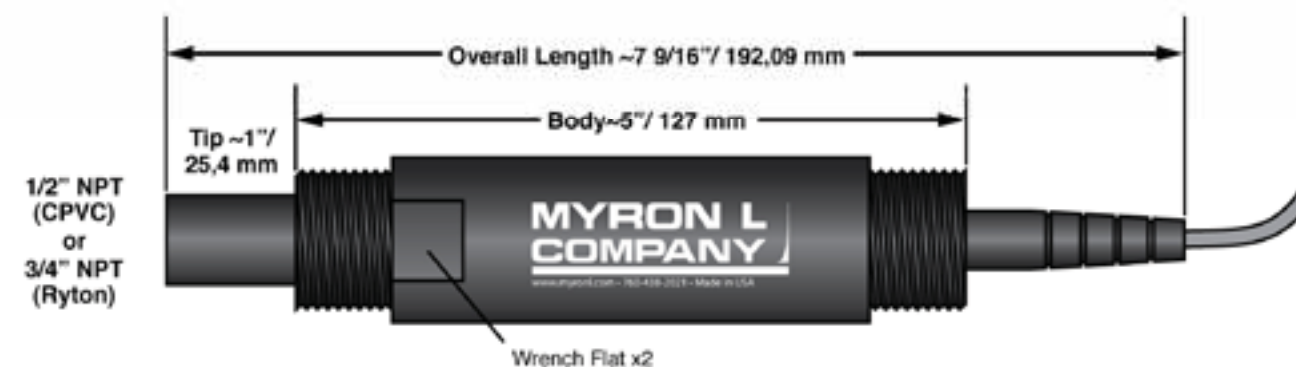
Part Number Description :

- First location = Sensor type, i.e. P = pH, or O = ORP
- Second location = Monitor/controller model, i.e. 7 = 720II
- Third location = Sensor size, i.e. 2 = 1/2" MNPT
- Fourth location = Sensor option, i.e. S = Single Junction, D = Double Junction, LC = Low Conductivity, or F = Flat.

SIZE	SINGLE JUNCTION	DOUBLE JUNCTION	LOW CONDUCTIVITY	HEAVY DUTY FLAT TIP
pH Sensors				
1/2" NPT	P72S	P72D	P72LC	P72F
3/4" NPT	P74SR	P74DR	P74LCR	P74FR
ORP Sensors				
1/2" NPT	072S	072D	072LC	072F
3/4" NPT	074SR	074DR	074LCR	074FR

pH/ORP SENSOR DIAGRAM

Heavy Duty "P74F" Model Sensor Shown



Note: 1/2" NP Diameter = .840" or 21,3 mm
3/4" NP Diameter = 1.050" or 25,5 mm

