

pH System Specifications



Connect this pH sensor to a PLC for seamless integration with industrial control systems. Use any computer to display data, calibrate and customize the measurement without an intermediate analyzer electronics box. A LD500 local display can be used if desired. Sensor heads are pre-calibrated and can be replaced or exchanged with any other type of sensor without taking the system down. Save space, time and money.

- Differential pH measurement
- Pre-calibrated (no field calibration required)
- Plug & play sensor heads
- Replaceable quad junction salt bridges
- Electrode protection options
- Direct data reporting
- Plug & play industrial communications adapters

<p>Measurement System Performance Range: 0 to 14 pH Resolution: 0.01 pH Accuracy: 0.014 pH Step Response Time: 90% in 30 seconds Note: Typical at 25°C Performance unaffected by cable length</p>	<p>Units of Measure <i>Measurement Units:</i> pH, mV <i>Temperature Units:</i> °C, °F</p>
<p>Operational Environment Temperature Range: -5°C to 95°C Maximum Pressure: 100 psi @ 95°C 85 psi @ 75°C Maximum Flow Rate: 10 ft/second</p>	<p>Calibration <i>Automatic Buffer:</i> 1 and 2 point <i>Sample:</i> 1 and 2 point <i>Temperature:</i> 1 and 2 point Note: pH and temperature are precalibrated at the factory</p>
<p>Power Requirements Voltage Range: 10 to 30 VDC Maximum Power: 200 mW Typical Power: 120 mW Note: Class II DC power supply required</p>	<p>Temperature Compensation Options <i>Linear:</i> % per °C <i>Built-in tables:</i> Ammonia or Morpholine Note: Temperature can be entered manually</p>
<p>Construction <i>Process Electrodes:</i> “G”, “HF” or Low Temperature Glass <i>Ground Rod:</i> Titanium, 316 Stainless Steel or Hastelloy C <i>O-Rings:</i> Viton® (other materials available)</p>	<p>Other Configuration Options Sensor Filter: 0 to 100 seconds Temperature Filter: 0 to 100 seconds Auto Calibration Buffer Standards: (4, 7, 10) and DIN 19267</p>