

WQ215 INDUSTRIAL pH TRANSMITTER



Description

The pH transmitter has an integrated preamp and an isolated 'true 2-wire', 4-20 ma transmitter. Two independent channels can simultaneously transmit a pH and optional temperature signal -- two wires for the pH transmitter and two wires for the temperature transmitter. The compact design and the 316SS and PVDF construction make the rugged pH sensor/transmitter ideal for applications such as process control, data acquisition, wastewater treatment, and, groundwater monitoring. The pH transmitters can be submersed to 200 feet (approximately 100 psi). Individual pH transmitters can be combined to make redundant or multiparameter modules using a unique connector system. This system also allows for the pH transmitters to be used in in-line (insertion) applications without fear of blow-out. The pH sensor/transmitters are designed with 'ease of service' as a primary goal.



- Isolated 4-20 ma output -- operates down to 7 volts
- 316SS and PVDF construction
- 'True' 2-wire operation
- Automatic temperature compensation
- Auto-polarity correction
- Optional, independent temperature output (0 to 50 C°)
- Small, 19 mm (3/4") diameter -- ideal for wells
- Comes with 10 meter cable (33 feet) -- rated for continuous submersion and burial

Specifications

Output: 4-20 mA
Range: 0-14 pH
Operating Voltage: 7-40 VDC
Loop Impedance:
250 ohms at 12 VDC
850 ohms at 24 VDC
1650 ohms at 40 VDC

Isolation: 600 vdc, >70 db at 50/60 hz
Linearity: ± 0.004 pH
Accuracy: ± 0.014 pH
Sensitivity: ± 0.01 pH
Stability: ± 0.03 pH
Repeatability: ± 0.01 pH
Electrode type: glass, double junction
Temperature compensation: automatic, 0-50 C°
Maximum Pressure: 100 PSI
Response Time: (including electrodes) 95% < 5 seconds
Size of Probe: 19 mm (0.750 in.) max diameter x 343 mm (13.5 in.)
Weight: 1 lb.
Wetted materials: 316 ss, PVDF, Viton, glass

Price List

WQ215

Industrial pH Transmitter.....\$725

Extra Cable

Standard industrial conductivity sensors include 33' of cable, but can be purchased with up to 1000' of cable.....\$1.50/ft

Temperature Output Option

Range: 0-50 C°, Accuracy: ± 1 C°.....\$200

PC300

Process control meter and industrial control system..... \$795



Contact
Global Water
for all your
instrumentation
needs:

Water Level

Water Flow

Water Samplers

Water Quality

Weather

Remote Monitoring

Control



Global Water
The Leader in Water Instrumentation

In the U.S. call toll free
at 1-800-876-1172
International: 916-638-3429
Fax: 916-638-3270
Email: globalw@globalw.com

Visit our online catalog at:
www.globalw.com
Our Address:
11390 Amalgam Way
Gold River, CA 95670