SPECIFICATION SHEET

REV M1
Industrial CPVC Body pH Sensor
Flat Faced, Double Junction with SN6 Connector

Body Style: 3/4” NPT industrial housing,
Insertion Length: 1.75”/4.5cm
Orientation: +/- 45° of vertical
Connector/Cable Length: SN6 connector / 15’/5Meter cable
Maximum distance: 50’/15M unamplified. Use RG174LN coax to lengthen. Use transmitter for 1,000’/300M distance. See page 2

Type: Potentiometric
pH Range: 0 – 14 pH
Temperature Range: 23 °F/-5 °C to 176°F/80°C
Slope (Out of Box): 59mV +/- 3mV/pH unit @ 25°C (95 – 105% Slope)
Zero Point: pH 7
Pressure: Maximum 100psi/7 bar
Offset (Asymmetry Potential): 0 mV +/- 20mV
Response Time: < 20 Sec. (95%) pH 7.00 to pH 4.01
Stability: < 3 mV Drift / 24 hrs in pH 7.00 @ 77 °F /25°C
Glass Membrane Shape/Impedance: Semi Flat < 750 Mohm @ 77 °F /25°C
Reference/Impedance: Double Junction Ag / AgCl with crosslinked polymer gel < 30 Kohm @77 °F / 25°C
Storage Solution: 50/50 1MKCl / pH4 buffer
Controller Compatibility: Smart series, SlimFlex, ProMtrac, MultiFLEX, Aegis
To Order: 7760998 Sensor only (no cable)
7760195 Sensor with cable
7760769 Sensor Kit with cable and entry assembly
7760158 Entry Assembly
Driver input board, Part OP 7760683 Dual ORP/pH driver

NOTE: Never include low voltage sensors in conduit that contains AC voltages.
Sensor Maintenance:
If deposits on the glass electrode withstand cleaning with a soft, moistened cloth, the following cleaning agents may be used:
General deposits: Non-abrasive household cleaner
Scale or metal hydroxides: Diluted hydrochloric acid, 0.1 to 0.3% for 3 to 5 minutes
Oil, grease: Alcohol
Biofouling: Mixture of diluted hydrochloric acid and pepsin for several hours
Probes must be rinsed thoroughly after having been cleaned. Solvents like acetone must not be used to clean electrodes.

Increase the maximum signal distance. Add a pH transmitter to the sensor, part number 809126. This will convert the mV signal to a 4-20mA signal and will require a different input driver. Use Driver CII, part number 7760707
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