

# SPECIFICATION SHEET

REV M1

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

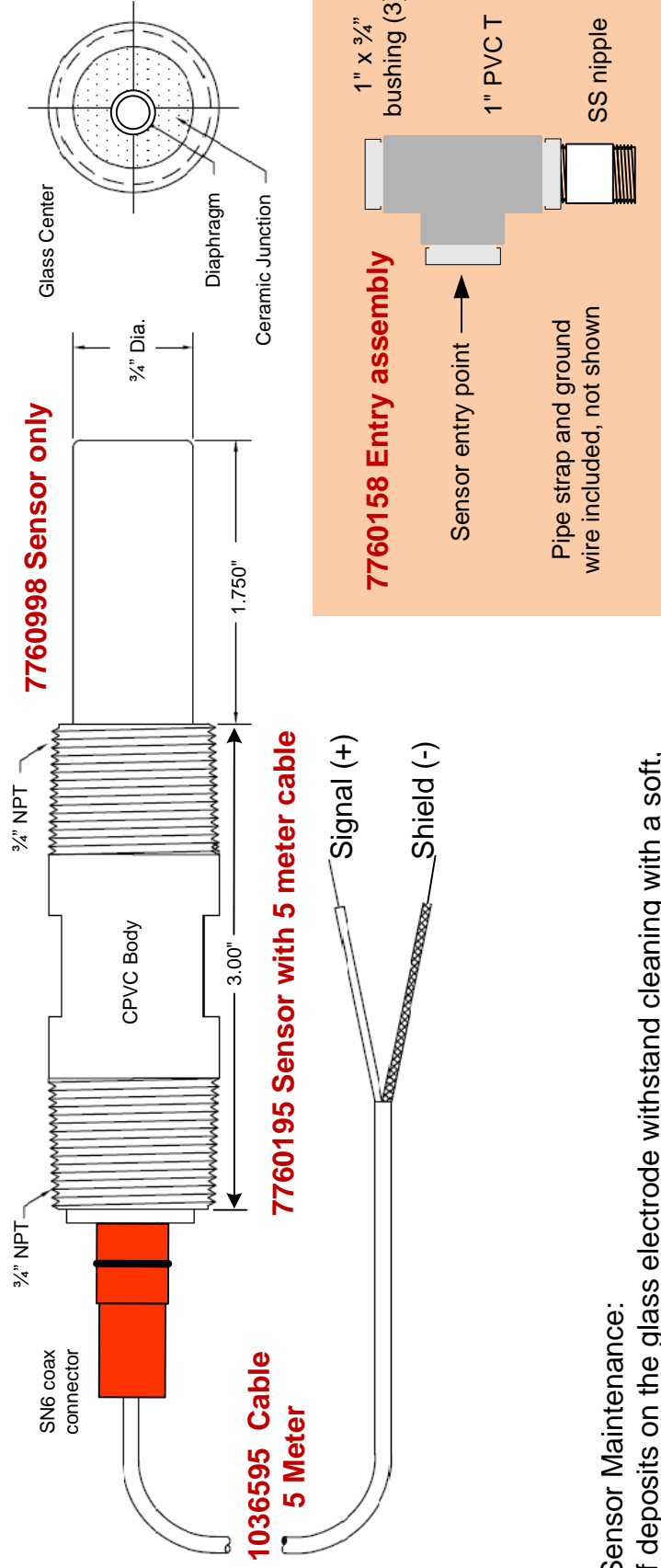
ProMinent<sup>®</sup>

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.



## 7760769 Flat face pH Kit: Sensor, Cable and Entry Assembly



### 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

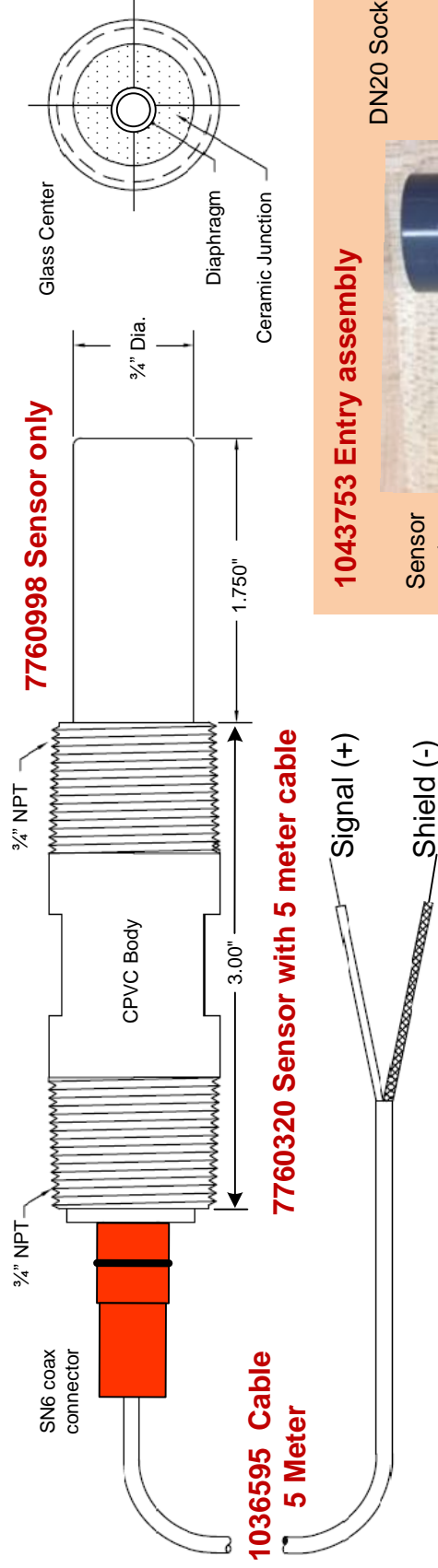
Oil, grease: Alcohol

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

## 7500806 Metric Flat face pH Kit: Sensor, Cable and Entry Assembly



### 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