



Pathfinder Instruments Model CS-5000 Conductivity Electrode



Data Sheet

Description

The model CS-5000 series of Contacting Conductivity Sensors have two graphite contacts mounted in CPVC housing for a rugged, dependable sensor design. The sensors are intended to either work with specific Pathfinder Instruments transmitters, or most generic conductivity instruments. Temperature sensors can be included as an option to meet most temperature compensation requirements. Low cost Pathfinder conductivity probes are suitable for use with most portable conductivity meters. Add a simple mounting gland fitting, and you can use these in process applications. Mount them inline, in a pipe "T" fitting, or submerge them into a tank.

Features include:

1. Small size and low cost for laboratory or light industrial use
2. Easy to use fitting for in-line mounting
3. Encapsulated construction allows submersion or in line mounting
4. Customized transmitter matching and full scale ranges for OEM applications.
5. Flush contacts for easy cleaning

Specifications:

Cell Constant	Nominal 2.5
Measuring Surface	Graphite
Body Material	CPVC
Maximum Pressure	100 psi (7.5 Bar)
Operating Temperature Range	0-70° C
Temperature Comp Sensor	Optional (10K Thermistor, 1 K PtRTD)
Cable	22 AWG 2 Conductor, or 4-Conductor for ATC, 36" Length unless otherwise specified

Ordering Information:

CS-5000-2.5-10KNT-36"-ST

A B C D E

A = Model Number

B = Nominal K Factor (Cell Constant), 2.5 for this series, specials available on request

C = Temperature Sensor

Blank none

10KNT Thermistor, required for optional ATC using the CT-1000 transmitter

1K Pt RTD

100 Pt RTD

D = Wire length in Inches

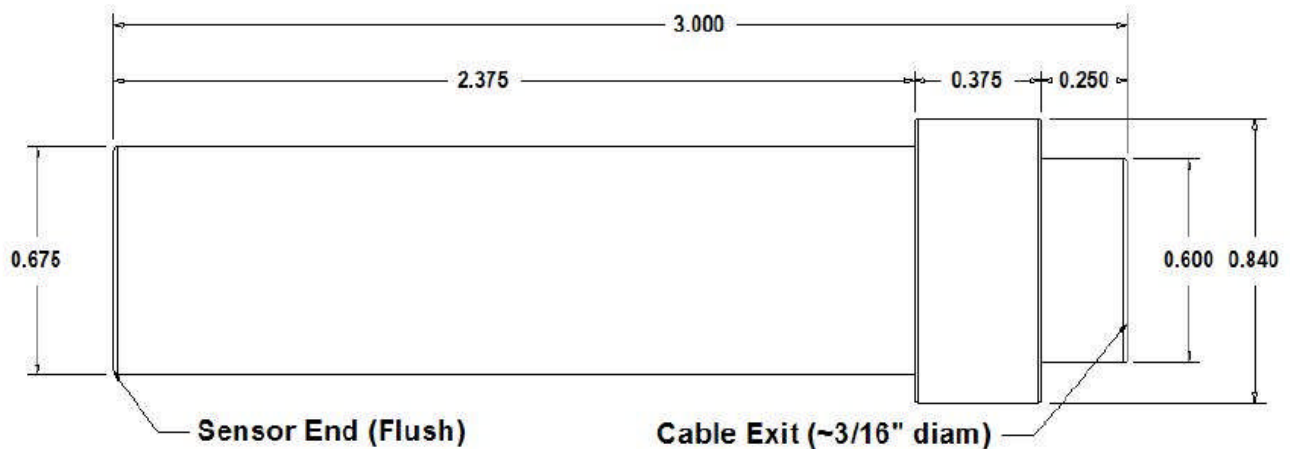
E = Wire Termination (ST=Stripped and Tinned), other terminations on request

Additional Hardware

3/4NPT Gland In line mounting gland for 3/4" NPT mount

CT-1000 4-20 mA Loop Powered Transmitter

Dimensions



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