



## PATHFINDER INSTRUMENTS Model CT-1000PT



### Data Sheet

#### General Description

The **Model CT-1000PT** (encapsulated miniature transmitter) is a 2-wire, 4-20 mA conductivity transmitter featuring encapsulated construction, high performance and small size.

The unit uses 4-wire in-line or submersion conductivity cell 2 wires are for the sensor electrodes and 2 wires are for the temperature sensing element. It transforms the cell signal to a 4 to 20mA current proportional to the conductivity level. This output may be transmitted over two wires to a control location; the same 2 wires provide power to the transmitter. Any D.C. power supply from 12 to 36V may be used. There are two adjustments on the transmitter to standardize probes for "SPAN" and "ZERO". The output can be monitored with a loop powered meter, a loop resistor or a multi meter during the standardization procedure

#### Specifications

Input - Measuring Scale: -----0-10 $\mu$ S to 0-7000uS  
Probe constant: -----K=0.1,K=1.0  
Output: -----4-20mA  
Power Supply: -----12 to 36VDC  
Load Resistor: -----0 to 750 $\Omega$  at 24VDC  
Accuracy-----+/- 2% of Span  
Operating Temperature Range: -----25 to +70 $^{\circ}$ C  
Reverse Polarity Protection: -----Internal diode  
Dimensions: -----1.5" x 2.0" x 1.0"  
Temperature compensation: -----0 to 100 $^{\circ}$ C (1K $\Omega$  pt sensor)

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