



## Pathfinder Model EMIT-ORP



### Data Sheet

#### General Description

The **Model EMIT-ORP** (encapsulated miniature isolated transmitter) is a 2-wire, 4-20 mA pH transmitter featuring input to output isolation, high performance and small size. The transmitter accepts as its input any ORP electrode via a BNC coaxial connector. It transforms the probe signal to a 4 to 20mA current proportional to the millivolt 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 multimeter during the standardization procedure.

#### Specifications

<b>Input:</b> .....	-1000 to +1000mV
<b>Output:</b> .....	4-20mA
<b>Power Suppl:</b> .....	12 to 36VDC
<b>Load Resistor:</b> .....	0 to 750 at 24VDC
<b>Linearity:</b> .....	± 2mV
<b>Input to Output Isolation:</b> .....	1000V RMS
<b>Operating Temperature Range:</b> .....	-25 to +70°C
<b>Reverse Polarity Protection:</b> .....	Internal diode
<b>Dimensions:</b> .....	2" × 2" × 1.5"

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