

## **INDION® TX105** **pH/ORP TRANSMITTER**

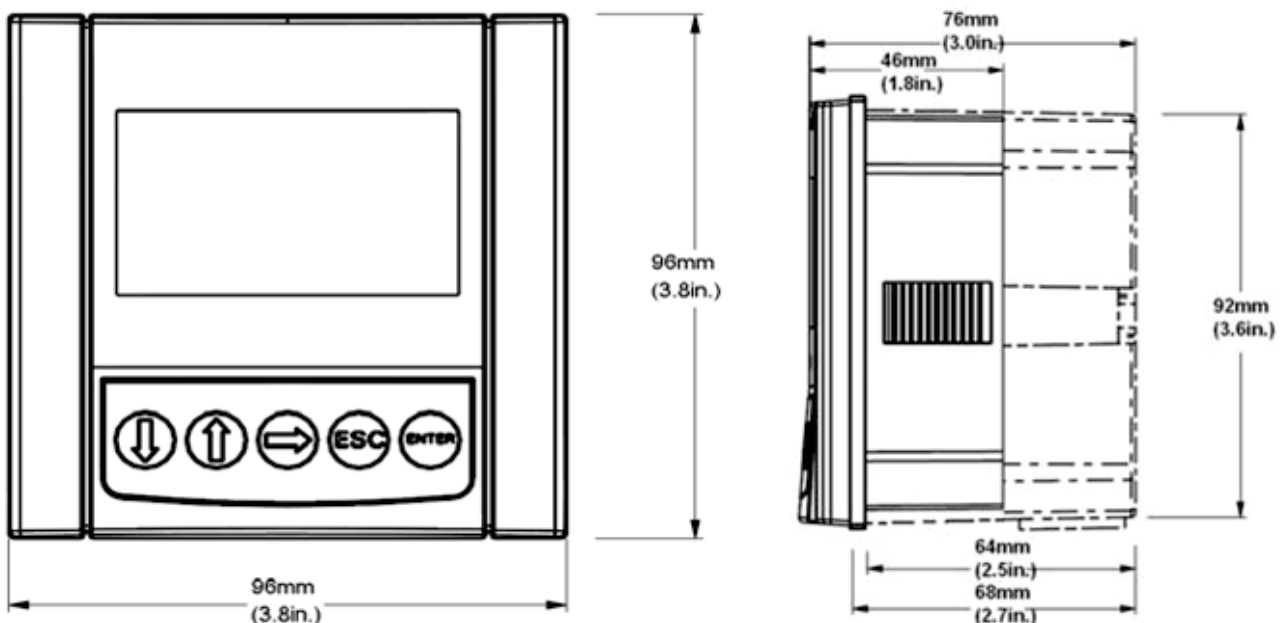
The Indion TX105 is an isolated output 4-20 mA industrial transmitter for reading pH or ORP sensors. It easily powers the unit with the available two-wire power supply loop. Ideal for connecting to a Programmable Logic Controller (PLC) for advanced control systems. It has versatile mounting options for wall or panel mount. Due to a dual display LCD, monitoring both the measuring value and the temperature is simple.

The TX105 is CE certified.

### Features

- Large LCD screen for easy reading
- Isolated 4-20 mA analog output
- Automatic temperature compensation
- Flexible mounting options

### Mounting Details



### Ordering Information

Part Number	Description
TX105	pH/ORP Transmitter

## Technical Specifications

Measuring Range pH	0.00 – 14.00 pH
Measuring Range ORP	-2000 to +2000 mV
Accuracy	± 0.5% of reading
Repeatability	± 0.05% of span
Temperature Drift	Zero and Span: ± 0.02% of span per °C
Power	19-48 VDC, regulated, 30 mA max
Current Output	Isolated 4-20 mA output with 0.004 mA (12-bit) resolution Update rate: 1 second Max Loop Impedance: 250 Ω at 24 V; 600 Ω at 31 V; 1500 Ω at 48 V
Open-Collector Output	Isolated, 50 mA sink, 40 VDC maximum pull-up voltage The OC output can be configured to be: High mode, Low mode or Proportional pulses
Display	LCD: 128*65 dot matrix, figure or alphabet: 12x8, 28x15, 32x18, etc
Contrast	User selected, 5 levels
Memory	Non-volatile: all user settings are retained indefinitely without battery backup
IP Rating/Mounting	IP65/Universal (Panel/Field)
Operating Temperature	-10°C to 70°C (14°F to 158°F); 0-95% relative humidity, non-condensing
Temperature Compensation	Automatic, PT1000 RTD
Calibration	1 point
Model/Weight	TX105/381 grams (0.84lbs)
FG Code	ZNP09GUTXA00000(pH)/ZNO07GUTXA00000(ORP)

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To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice. Please contact our regional/branch offices for current product specifications.

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