

# TX105 pH/ORP TRANSMITTER

## PRODUCT SPECIFICATION SHEET



Large LCD screen for easy reading

Isolated 4-20 mA analog output

Automatic temperature compensation

Flexible mounting options

Our TX105 is an isolated output 4-20mA industrial transmitter for reading pH or ORP sensors. Easily power the unit with available two-wire power supply loop. Ideal for connecting to a PLC for advanced control systems. Versatile mounting options for wall or panel mount. With a dual display LCD, monitoring both the measuring value and the temperature is simple. The TX105 is CE certified.

### SPECIFICATIONS

|                          |  |
|--------------------------|--|
| Measuring Range pH       | 0.00-14.00   |
| Measuring Range ORP      | -2000 to +2000mV   |
| 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<br>Update rate: 1 second<br>Max Loop Impedance: 250 Ω at 24 V; 600 Ω at 31 C; 1500 Ω at 48 V |
| 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                | IP65   |
| 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  |
| Weight                   | 0.84 lbs (381 g)   |

### ORDERING INFORMATION

#### Part Number Description

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|-------|--------------------|
| TX105 | pH/ORP Transmitter |
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