

The TX100 pH/mV transmitter is a loop-powered 4-20mA transmitter with a wide range of useful features and programmable options. Five buffer choices are available in two-point calibration mode. The 4-20mA output is scaleable in pH or mV units and has 500V input to output isolation. Temperature is always displayed and is selectable in °C or °F. All stored parameters and calibration data are retained in the non-volatile memory during transmitter power down or power loss. A useful probe clean reminder icon flashes when it is time to clean the probe. Probe cleaning interval is user programmable from 1 to 250 days. The TX100 can be used for wall mounting, panel mounting, pipe mounting and DIN-rail mounting. Cable grips for inlet/outlet to box are included as well as all mounting hardware. The case meets NEMA and IP ratings for water resistance.

### RECOMMENDED APPLICATIONS INCLUDE:

- **Swimming pool control**
- **Industrial water treatment**
- **Potable water systems**
  - **Boiler feedwater**
- **Municipal wastewater plants**

Displays readings in pH or mV alongside temperature

Mounts on wall, panel, pipe or DIN-rail

Simple, easy to read user interface

Probe cleaning reminder for easy maintenance

Stores calibration and other data in case of power loss

Water resistant case included

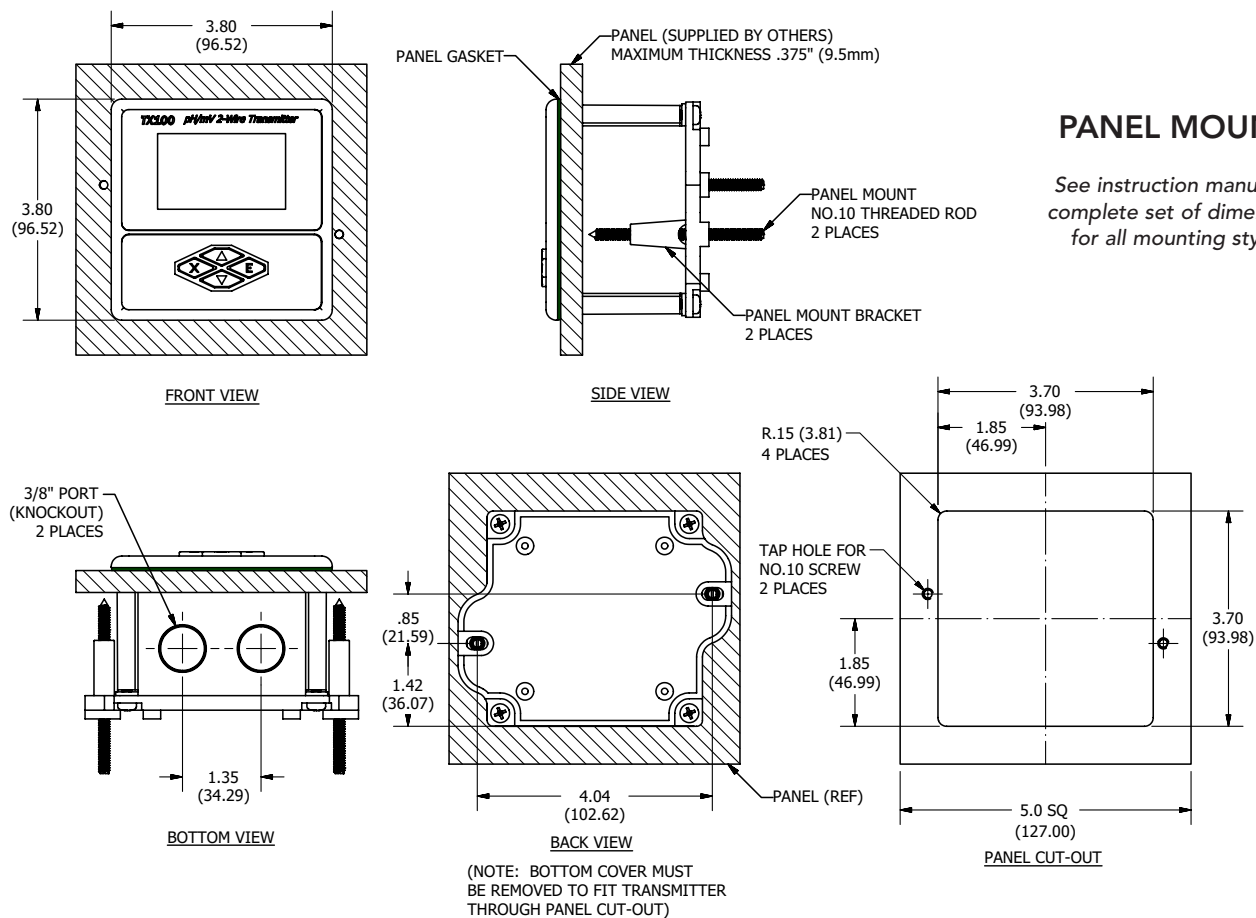
### PARTS COVERED BY THIS SPECIFICATION SHEET:

- **TX100**

### SPECIFICATIONS:

<b>Measuring Range (pH)</b>	0.00 to 14.00 pH, 0.01 pH resolution, ± 0.01 accuracy
<b>Measuring Range (ORP/mV)</b>	-1999mV to 1999mV, 1mV resolution, ± 2mV accuracy
<b>Temperature Range</b>	-20°C (-4°F) to 110°C (230°F), 0.1° C/F resolution
<b>Current Output Range</b>	2.00mA to 24mA, .01mA resolution, ±0.005mA accuracy, 500V input/output isolation
<b>Enclosure</b>	NEMA 4X IP65, ABS case with push-button control pad HWD: 3.9" (99.1 mm) x 3.9" (99.1mm) x 2.9" (74.7mm)
<b>Weight</b>	approx. 1lb (0.45 kg)
<b>Mounting Options</b>	Wall, panel, din rail, and pipe
<b>Conduit Openings</b>	2 each 3/8" NPT openings (cordgrips included)
<b>Ambient Temperature</b>	Transmitter Service, 0°C (32°F) to 60°C (140°F)
<b>Ambient Humidity</b>	0-95%, non-condensing
<b>Location</b>	Designed for non-hazardous areas
<b>Temperature Input</b>	2-wire Pt1000 RTD with automatic compensation
<b>Max Sensor to Transmitter Distance</b>	30 feet (9.1 meters)
<b>Power Requirement</b>	12-24 VDC, max 600 Ohm load

### OUTLINE AND DIMENSIONS



### PANEL MOUNT

See instruction manual for complete set of dimensions for all mounting styles.

Wall Mount, DIN Rail Mount and Pipe Mount Hardware are all included.

### ORDERING INFORMATION

The TX100 2-wire isolated pH/ORP transmitter is supplied complete with mounting hardware for panel, wall, din rail and pipe mounting with instructions. Power supply is not included.

#### Part Number Description

##### Model:

**TX100** Isolated pH/ORP 2-wire transmitter in 1/4 DIN case, requires 24V DC power supply (customer supplied)

##### Accessories:

**B225** Zobell ORP calibration solution, 473 mL

**B104** pH 4.01 buffer solution, 473mL

**B107** pH 7.00 buffer solution, 473mL

**B110** pH 10.00 buffer solution, 473mL

**B125** ORP Calibration Kit - incl. B104, B107, B115 quinhydrone powder (20g), 3 plastic beakers, stir sticks