

pH/ORP METER and TRANSMITTER



PHTX-100 Series



- ✓ Loop Powered
4 to 20 mA
- ✓ Non-Volatile Memory
for Configurations
and Calibration Data
- ✓ Output Current Indicator
for Out-of-Range and
Hold Conditions
- ✓ Large Segmented Display
Indicates pH or mV
and Temperature
- ✓ Flashing Screen
Icons Indicate Mode
of Operation
- ✓ Programmable Probe
Clean Reminder
(Programmable from
1 to 250 Days)



Shown close
to actual size

The PHTX-100 pH/mV transmitter is a loop-powered 4 to 20 mA transmitter with a wide range of useful features and programmable options. Five buffer choices are available in two-point calibration mode. The 4 to 20 mA output is saleable 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 PHTX-100 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 4X (IP65) ratings for water resistance.

SPECIFICATIONS

Measuring Range (pH):

0.00 to 14.00 pH, 0.01 pH resolution, ±0.01 accuracy

Measuring Range: (ORP/mV)

-1999 to 1999 mV, 1 mV resolution, ±2 mV accuracy

Temperature Range: -20 to 110°C

(-4 to 230°F) 0.1°C/°F resolution

Current Output Range: 2.00 to 24 mA,

0.01 mA resolution, ±0.005 mA

accuracy, 500V input/output isolation

Enclosure: NEMA 4X (IP65), ABS case with pushbutton control pad

Dimensions:

99.1 H x 99.1 W x 74.7 mm D
(3.9 x 3.9 x 2.9")

Weight: 0.45 kg (1 lb) approx.

Mounting Options: Wall, panel, DIN rail and pipe

Conduit Openings: 2 each 3/8 NPT openings (cord grips included)

Ambient Temperature: Transmitter service, 0 to 60°C (32 to 140°F)

Ambient Humidity: 0 to 95%, non-condensing

Location: Designed for non-hazardous areas

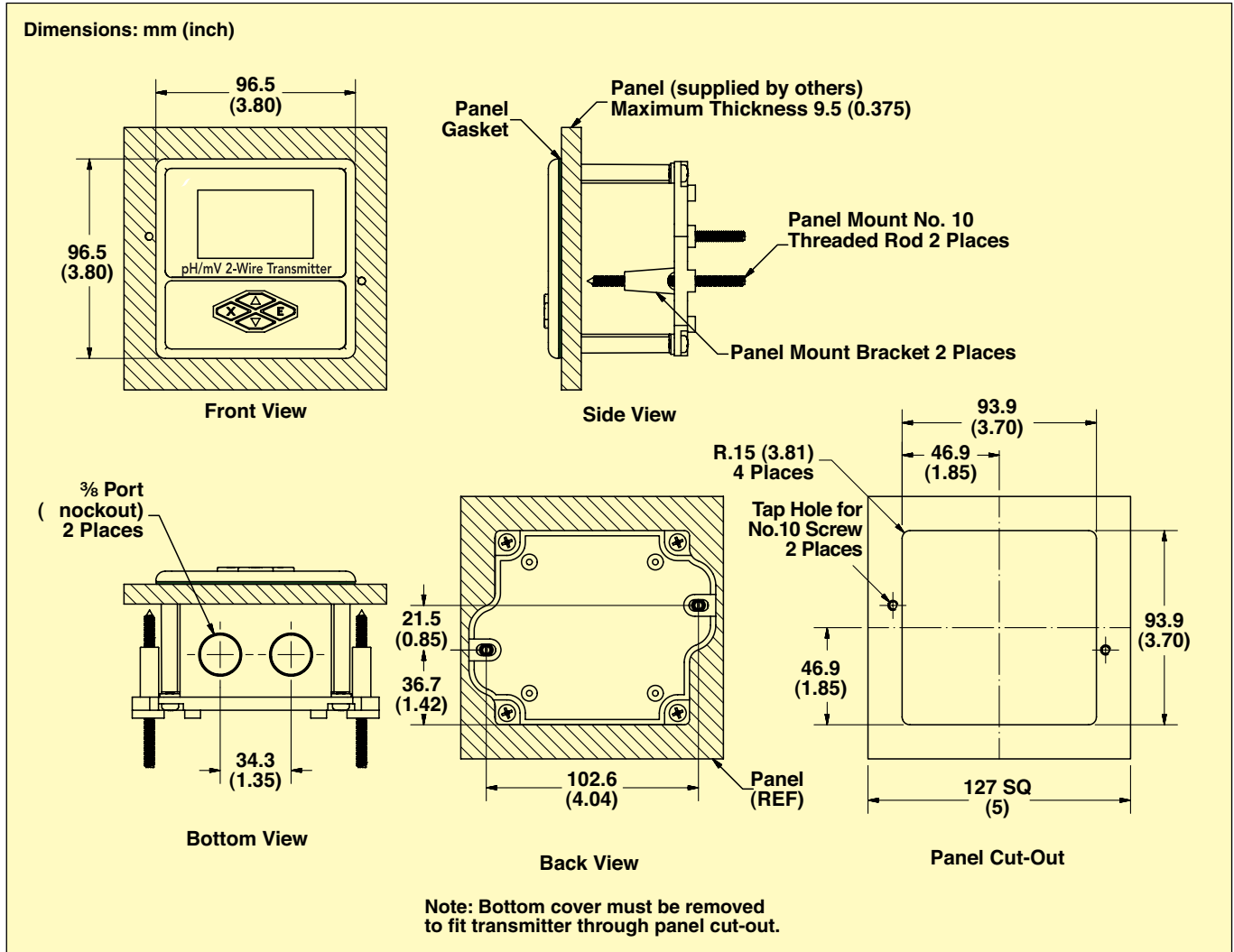
Temperature Input: 2-wire Pt1000 RTD with automatic compensation

Maximum Sensor-to-Transmitter: 9.1 m (30') distance

Power Requirement: 12 to 24 Vdc, maximum 600Ω load



Panel Mount



To Order

Model No.	Description
PHTX-100	2-wire, 4 to 20 mA pH transmitter with display

Accessories

Model No.	Description
PHA-4	4.00 pH buffer solution, 500 mL
PHA-7	7.00 pH buffer solution, 500 mL
PHA-10	10.00 pH buffer solution, 500 mL
PHE-6510B	Submersion pH electrode (mounting assembly sold separately)
PHEH-65-10	Mounting assembly for submersion pH electrode
PHE-5460	In-line pH electrode (mounting assembly sold separately)
PHEH-54-10	Mounting assembly for in-line pH sensor

Comes complete with mounting hardware and operator's manual.