

## PC pH105 Loop-Powered pH/ORP Transmitter



### Features & Benefits

Potence Controls PC pH105 Transmitter can be selected to measure pH or mV along with the temperature. Measured Parameter and Temperature can be displayed together in pH Measurement mode. This 4 - 20 mA Isolated output industrial transmitter, a sturdy microprocessor-based instrument which transmits pH or mV measurements via a two-wire power supply loop.

The industrial transmitter has many user-friendly features - all of which are easily accessible via the water-resistant membrane keypad. Ideal for connecting to a PLC for advanced control systems. All user settings are retained indefinitely without battery backup. The instrument housing is designed for panel or wall mounting.

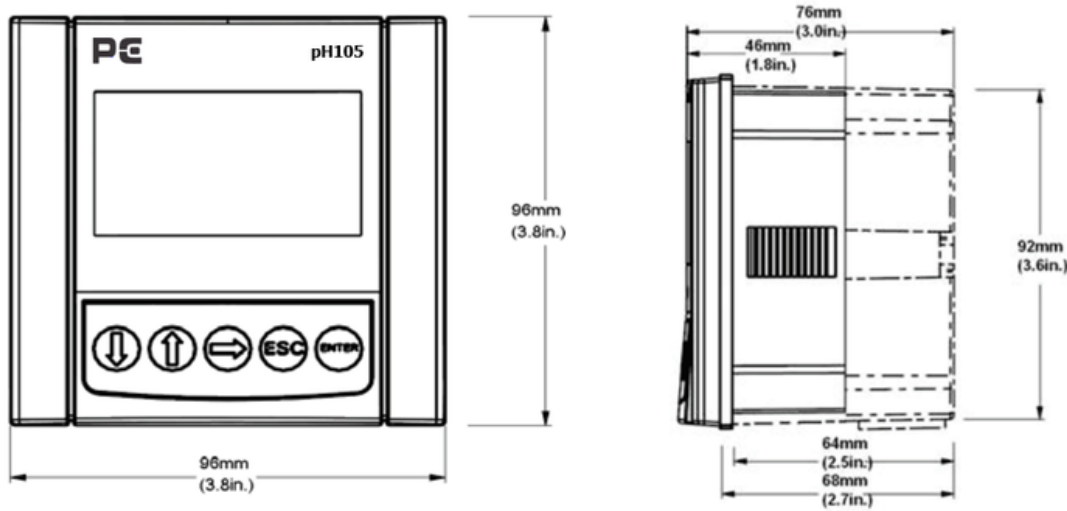
- Large LCD Display
- Primary and Secondary display for simultaneous display of selected Parameter and temperature
- Isolated 4 - 20mA
- Scalable 4 - 20mA
- Automatic Temperature Compensation
- Non-Volatile Memory

## Controller Specifications

Measurement	: pH or ORP
Measurement Range	: pH : 0.00 to 14.00 : ORP : -2000mV to 2000mV
Accuracy*	: ± 0.5% of reading
Repeatability	: ± 0.5% of span
Temp. Compensation	: Automatic; Pt1000 RTD
Display	: Dual LCD Display 128*65 dot matrix
Power Requirements	: 19 – 48 VDC, Regulated, 30 mA max.
Operating Conditions	: Temperature : -10 to 70°C, (14°F to 158°F); : 0 – 95% relative humidity, non-condensing
Storage Conditions	: Temperature: -15 to 80°C, (5°F to 176°F); : 0 – 95% relative humidity, non-condensing
Analog Output Signal	: 4 – 20 mA Isolated Current Output, Max Load 250Ω @24V; 600Ω @31V; 1500Ω @48V
Memory	: Non-Volatile
Enclosure Dimension	: H x W x D (96 x 96 x 46mm)
Enclosure Rating	: IP65
Enclosure Mounting	: Wall and Panel
Weight	: App. 0.4kg

\*These performance specifications are typical at 25°C

## Dimensional Drawing



## Order Information

**Model Number:**

PC pH105: 2 Wire pH/ORP Transmitter/Indicator; 4 - 20mA Output; Wall and Panel Mount

### Also Consider Our pH Sensors



In the interest of improving and updating, PCPL reserves the right to alter specifications at any time.