

# PD6770

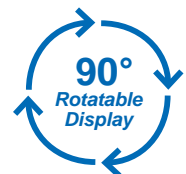
Vantageview Loop-Powered Large Display Process Meter



 vantageview

**3 1/2 DIGITS • LARGE DISPLAY**

- 4-20 mA Input
- Modern, Sleek and Practical Enclosure for Safe Areas
- 3½ Digits, 1" (25.4 mm) Display
- Display Mountable at 0°, 90°, 180°, & 270° Degrees.
- Easy Calibration and Installation
- Loop-Powered Backlight Option
- 1 V Drop (4 V with Backlight)
- Plastic NEMA 4X, IP65 Enclosure
- Flanges for Wall or Pipe Mounting
- HART® Protocol Transparent
- Operates from -40 to 75°C



## SPECIFICATIONS

Except where noted all specifications apply to operation at +25°C.

**Display:** 3½ digit LCD, 1" (25.4 mm); -1,999 to 1,999

**Display Update Rate:** 2.5 Updates/Second

**Display Orientation:** Display may be mounted at 90° increments up to 270° from default orientation

**Overrange:** Display reads 1 on the left most digit

**Programming Method:** Four front mounted rotary control dials accessed when the cover is removed.

**Recalibration:** Recommended at least every 12 months.

**Normal Mode Rejection:** 60 dB rejection ratio

**Operating Temperature Range:** -40 to 75°C

**Storage Temperature Range:** -40 to 75°C

**Relative Humidity:** 0 to 90% non-condensing

**Connections:** Screw terminals accept 12 to 22 AWG wire

**Enclosure:** NEMA 4X, IP65 plastic field enclosure. Color: grey. Material: Polycarbonate with UV Stabilizer. Three ¾" NPT threaded conduit openings. Two ¾" NPT plastic conduit plugs, with 1.29" wrenching flats and a screwdriver slot, are included.

**Mounting:** May be mounted directly to conduit. Two slotted flanges for wall mounting or NPS 1½" to 2½" or DN 40 to 65 mm pipe mounting.

**Overall Dimensions:** 5.67" x 5.25" x 4.18"  
(144 mm x 133 mm x 106 mm) (W x H x D)

**Weight:** 1.65 lbs (26.4 oz, .75 kg)

**Warranty:** 3 years parts and labor

## Input

**Input:** 4-20 mA

**Accuracy:** ±0.1% of full span ±1 count

**Temperature Drift:** 150 PPM/°C from -40 to 75°C ambient

**Decimal Point:** User selectable decimal point

**Calibration Range:** 4 mA input: -1000 to +1000; 20 mA between 20 and 2000 counts greater than 4 mA display. Two point linear display span.

**Maximum Voltage Drop:** 1 VDC @ 20 mA without backlight; 4 VDC @ 20 mA with loop-powered backlight.

**Input Overload:** Over current protection to 2 A max.

**Loop-Powered Backlight Option:** Factory installed only. Powered directly from the 4-20 mA loop, no batteries required. Backlight can be enabled or disabled via alternative wiring of terminal block. The display brightness will increase as the input signal current increases.

## Disclaimer

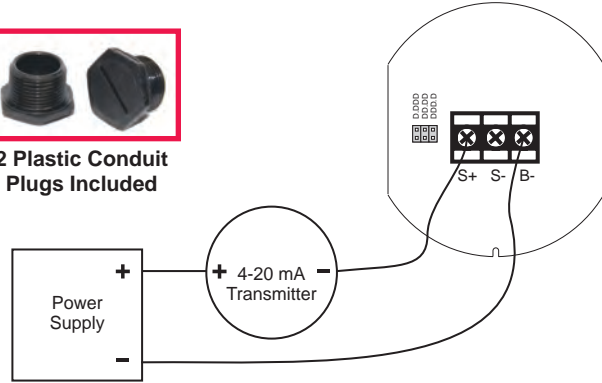
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## CONNECTIONS

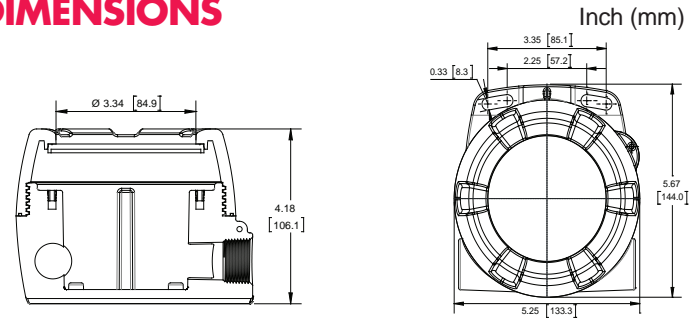


**2 Plastic Conduit Plugs Included**



**PD6770 Input Connections with Loop-Powered Backlight**

## DIMENSIONS



## ORDERING INFORMATION

Vantageview PD6770 • Large Display Process Meter	
Model	Description
PD6770-0L0	Loop-Powered Process Meter
PD6770-0K0	Loop-Powered Process Meter with Backlight



**Your Local Distributor is:**