

PD6770

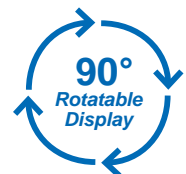
Vantageview Loop-Powered Large Display Process Meter



 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



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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

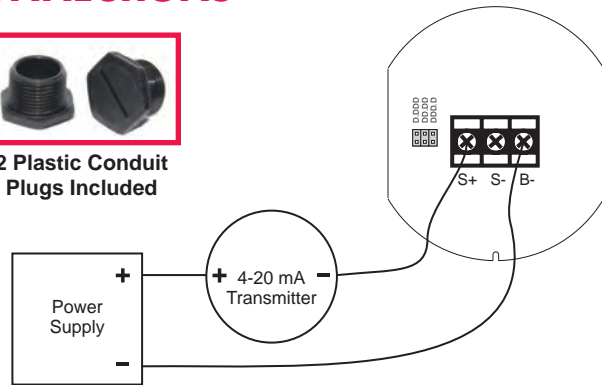
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CONNECTIONS

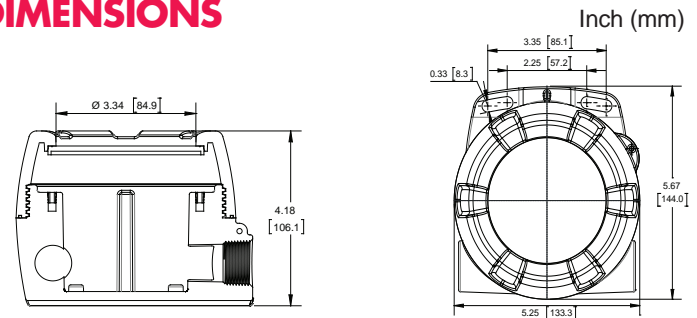


2 Plastic Conduit Plugs Included



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



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