EXPLOSION-PROOF INSTRUMENTS

ProtEX-MAX • Model PD8

• Modern, Sleek and Practical Enclosure
• Display Mountable at 0°, 90°, 180°, & 270° Degrees
• Explosion-Proof, IP68, NEMA 4X Enclosure
• Models Available with PROVu®, Trident X2, Snooper, or Vigilante® II Functionality
• SafeTouch® Through-Glass Button Programming
• Password Protection (Display models)
• Modbus® RS-485 Serial Communications (Select models)
• Flanges for Wall or Pipe Mounting

Approvals apply to enclosure only.

190+ models to choose from

PROCESS
DUAL-INPUT
FLOW RATE/TOTAL
BATCH CONTROL
TEMPERATURE
STRAIN GAUGE
PROCESS & TEMP
MODBUS INPUT
ANNUNCIATORS

SAFE TOUCH
Through-Glass Button Programming

90° Rotatable Display

PRECISION DIGITAL CORPORATION
www.predig.com
OVERVIEW

The ProtEX-MAX Series has been designed to offer the functions and features of any ProVu®, Trident X2, Snooper, or Vigilante® II model in a great looking explosion-proof housing. However, the PD8 series is not just an 1/8 DIN meter mounted in an explosion-proof housing. A special bezel and electronics were designed exclusively for the ProtEX-MAX. The bezel and faceplate give the front panel a very finished appearance and house the additional electronics for the PD8. Program and operate the meter without opening the housing by selecting the LOCK setting (exposing the electronics) in a hazardous area. These buttons can be disabled for security by setting the LOCK button to LOCK. To actuate a button, press one finger to the glass through-glass button programming or the serial communication port with free Modbus® protocol.

KEY FEATURES

Through-Glass SafeTouch® Buttons

The PD8 is equipped with up to 4 sensors that operate as through-glass buttons so that it can be programmed and operated without removing the cover (and exposing the electronics) in a hazardous area. These buttons can be disabled for security by selecting the LOCK setting on the switch located on the connector board in the base of the enclosure. To actuate a button, press one finger to the glass directly over the marked button area. When the cover is removed, mechanical buttons located on the faceplate are used.

Modern, Sleek and Practical Enclosure

The first thing customers notice about a product is its enclosure and the ProtEX-MAX really shines here. The copper-free (0.30%), smooth, die-cast aluminum NEMA 4X (IP68) enclosure is finished with a corrosion resistant epoxy coating that literally does make the ProtEX-MAX shine. The built-in mounting flanges make for convenient wall or pipe mounting and there is even a slot on the back of the enclosure for centering on the pipe. There are four ¾” NPT conduit holes for wiring (two metal conduit plugs supplied).

Serial Communications

Modbus and RS-485 are standard with all ProtEX-MAX models except PD8-154 and PD8-158. RS-232 may be added to the ProVu® and Trident for local serial communications. Refer to PD8 manual addendum.

DIMENSIONS

Units: Inch (mm)

INSTRUMENT SPECIFICATIONS

Refer to the data sheets for the meter/controller integral to the PD8.

Weight: approx. 16.0 lbs (256 oz, 7.26 kg)

Enclosure Ratings & Approvals

FM & CSA: FM Approved & CSA Certified. Explosion-proof for use in Class I, Division 1, Groups B, C, and D; Dust-Ignition-proof for Class II, Division 1, Groups E, F, and G, Class III; hazardous (classified) locations, USA: Indoor and outdoor (Type 4X and IP66); Ta = -40 to +185°F FM Certificate: 3037455

Canada: Indoor and outdoor (Type 4X); Ta = -40 to +85°C CSA Certificate: 2341214

ATEX & IECEx: ATEX Certified: Group 2, Category 1 (Zone 1), Gases, Vapors, Mists, or Dusts: II 2 G D, Ex d IIC Gb, Ex tb IIIC IP68.

Ta = -40 to +85°C. IECEx Certificate: Sira 10ATEX1200U

VDE IECEx Certified: Flameproof, Gas Group IIC, Ex d IIC Gb, Ex tb IIC IP68.

Ta = -40 to +85°C. IECEx Certificate: IECEx SIR.0102U

ORDERING INFORMATION

ProtEX-MAX PD8 • Explosion-Proof Instruments

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Configuration Examples

| Any Vigilante® II Annunciator Model | PD8-     1 5 8 - 6 R 2 - 1 |
| Any ProVu® Meter Model             | PD8-     6 0 0 0 - 6 R 2 |
| Any Trident X2 or Snooper Meter Model | PD8-    7 6 5 - 6 X 2 - 1 0 |

Your Local Distributor is:

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