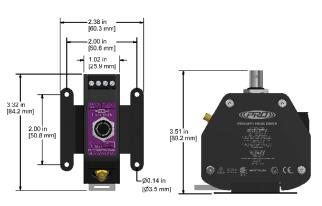
Hazardous Area Proximity Probes

Intrinsically Safe, PRO 11 mm, Radial, Driver Assembly





Panel Mount Option (Shown Above)

| Connections | Functions |
|-------------|-------------------------|
| - | 4-20 mA Supply |
| + | 4-20 mA Shaft Vibration |
| Com | |
| Vout | -100 mV/mil, DC Gap |
| | 4-20 mA Shaft Vibration |

TERMINAL BLOCK WIRING

REGULATORY APPROVALS

CSA 16.0017X

US & Canada (CSA): Class I Division 1 Groups A, B, C, D Class II Division 1 Groups E, F, G

ATEX: SIRA 16ATEX2048X

Temperature Codes: T4 = -45°C to 100°C T5 = -35°C to 85°C

Class I Zone 0 AEx ia IIC Class I Division 2 Groups A, B, C, D Class II Division 2 Groups E, F, G

Class III

Ex ia IIC International (IECEx): IECEx CSA 16.0017X

| Connections | Functions |
|-------------|-------------------------|
| - | 4-20 mA Supply |
| + | 4-20 mA Shaft Vibration |
| Com | |
| Vout | -100 mV/mil, DC Gap |
| | |

Product Features •

Continuous Monitoring in Hazardous Locations

Driver assembly DD100790 offers multiple options for mounting and easy connection via screw terminals.

- Flexible system configuration
- 4-20 mA current loop provides power to the driver, and a displacement output proportional to the peak to peak shaft vibration
- -100 mV/mil (-3.94 V/mm) output available at terminal block (Vout & Com)
- Multiple mounting options (DIN rail, panel or none)

Specifications -

| _ • | | |
|---|--|--|
| Temperature Range: -49°F (-45°C) to 185°F (85°C) | | |
| Linear Range: 20 to 180 mils (0.5 - 4.5 mm) @ approximately -1 to -17 VDC | | |
| Nominal Voltage Output: -100 mV/mil (-3.94 V/mm) | | |
| 4-20 mA Output: defined by full scale selection | | |
| Input Power/Voltage: 17.5 to 30 VDC (Loop Powered) | | |
| Aluminum enclosure | | |
| Miniature 12-32 threaded connector | | |
| | | |

Requires Intrinsically Safe Barrier Driver must be mounted in a NEMA 4x and/or IP6x enclosure

Ordering Information

DD1

| Calibrated Material | Full Scale | System Length | Mounting Type | Regulatory Approval |
|---------------------------|--------------------------|-----------------------|--------------------------|------------------------|
| 00 = 4140 Steel | 01 = 0-10 mils pp | 50 = 5.0 meter | 00 = Panel | 05 = CSA, ATEX, |
| 08 = 1045 Steel | 02 = 0-20 mils pp | 90 = 9.0 meter | Screws Are Not Included) | IECEx Approvals |
| 10 = 17-4 Stainless Steel | | | 01 = DIN | |
| 11 = 420 Stainless Steel | | | 02 = None | |
| 12 = 304 Stainless Steel | | | VZ - NOILE | |
| 13 = 316 Stainless Steel | | | | |



Example Part Number: *DD100790-02-90-01-05*

4140 Steel, 0-20 mils pp full scale, 9 meter system length, DIN mount, CSA, ATEX, IECEx certified



Page 461

• 800-999-5290