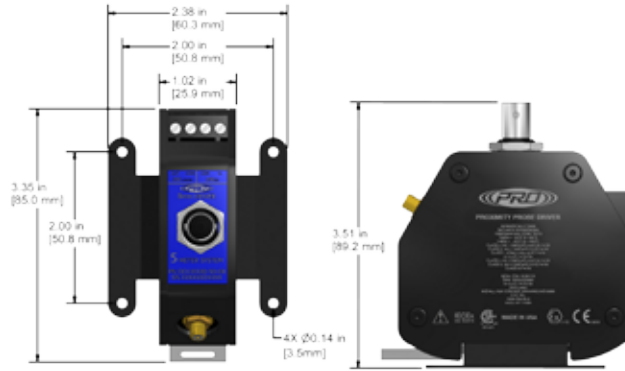


# DX190 Series

**BENTLY™ 3300/3300XL COMPATIBLE, Intrinsically Safe, 8 mm, Radial, Driver Assembly**



**Panel Mount Option (Shown Above)**

**REGULATORY APPROVALS**

IECEX CSA 16.0017X

CSA US 221421

II 1 G

**US & Canada (CSA):**  
 Class I Division 1 Groups A, B, C, D  
 Class II Division 1 Groups E, F, G  
 Class III  
 Class I Zone 0 AEx ia IIC  
 Class I Division 2 Groups A, B, C, D  
 Class II Division 2 Groups E, F, G  
 Ex ia IIC Ga

**ATEX:**  
 SIRA 16ATEX2048X  
 Ex ia IIC

**International (IECEX):**  
 IECEX CSA 16.0017X  
 Ex ia IIC

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

## Product Features

### Continuous Monitoring in Hazardous Locations

Driver assembly DX330190 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
- -200 mV/mil (-7.87 V/mm) output available at terminal block ( $V_{out}$  & Com)
- Multiple mounting options (DIN rail, panel or none)

### TERMINAL BLOCK WIRING

Connections	Functions
-	4-20 mA Supply
+	4-20 mA Shaft Vibration
Com	
$V_{out}$	-200 mV/mil, DC Gap

## Specifications

Temperature Range: -31°F (-35°C) to 185°F (85°C)
Linear Range: 10 to 90 mils (.25 - 2.30 mm) @ approximately 4-20 mA
Nominal Voltage Output: -200 mV/mil (-7.87 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

DX190 -  -  -  -  0 5

Full Scale	System Length	Mounting Type	Regulatory Approval
04 = 0-4 mils pp	50 = 5.0 meter	00 = Panel (Mounting Screws Are Not Included)	05 = CSA, ATEX, IECEX Approvals
05 = 0-5 mils pp	90 = 9.0 meter	01 = DIN	
10 = 0-10 mils pp		02 = None	



**Example Part Number: DX190-05-90-01-05**  
 4140 Steel, 0-5 mils pp full scale, 9 meter system length, DIN mount, CSA, ATEX, IECEX certified

**Read Before Purchasing:**  
 Important information on Regulatory Approvals and Requirements on Pages 421-423



PROTECTION & RELIABILITY INSTRUMENTS

**Lifetime Warranty on Materials & Workmanship**