

Panel Mount Option
(Shown Above)

REGULATORY APPROVALS

IECEx
CSA 16.0017XSP
C Us
221421

II 1G

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 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 (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}	-100 mV/mil, DC Gap

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 790 - - - -

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



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



Lifetime Warranty on Materials & Workmanship