

# Hazardous-Area Approved DP1009

Intrinsically Safe FFv™ Proximity Probe, 5 mm Probe Tip Diameter, with 1/4-28, 3/8-24, M8x1, or M10x1 Case Thread



## Product Features

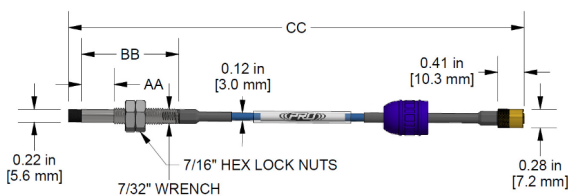
Measure shaft vibration and displacement on machinery with fluid film bearings

Durable PPS over-molded probe tips withstand harsh conditions when monitoring critical machinery such as turbines and compressors

- ▶ 5 mm probe tip diameter with 1/4-28, 3/8-24, M8x1 or M10x1 threaded body
- ▶ Probe tip and body sealed to prevent leaking through cable
- ▶ Complete hardware system is compatible with all standard condition monitoring software

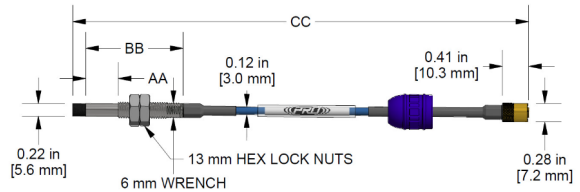
### DP100901

Standard Mount



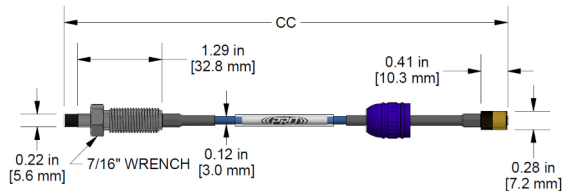
### DP100903

Standard Mount



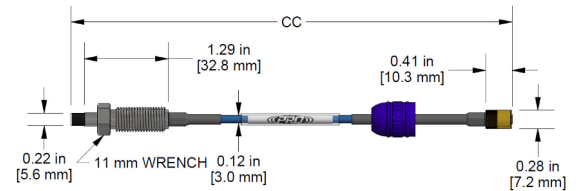
### DP100906

Reverse Mount



### DP100907

Reverse Mount



Lengths AA, BB, and CC are configurable

## Specifications

Temperature Range	-49 to 340 deg.F (-45 to 171 °C)
Sensitivity	-200 mV/mil (-7.87 V/mm) (1 mil = 0.001 in.)
Material	FEP Cable Jacket with 316L Stainless Steel Probe Body
Case Thread	1/4-28 or M8x1 (Standard Mount), 3/8-24 or M10x1 (Reverse Mount)
Wrench Flats	7/32 in. or 7 mm (Standard Mount), 7/16 in. or 11 mm (Reverse Mount)
Rating	IP68
Connector	SecureLock
Connector Pull Strength	Up to 30 lbs.
Bending Radius	1.16 in. (2.95 cm)

Built to Order

## Regulatory Approvals

### US & Canada:

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:

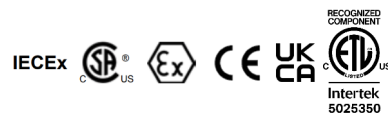
SIRA 16ATEX2084X  
Ex ia IIC

### International (IECEx):

IECEx CSA 16.0017X  
Ex ia IIC

### Temperature Codes:

T4 = -45°C to 100°C  
T5 = -35°C to 85°C



FOR REFERENCE ONLY, PLEASE REFER TO CONTROL DRAWING

Lifetime Warranty on Materials & Workmanship

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