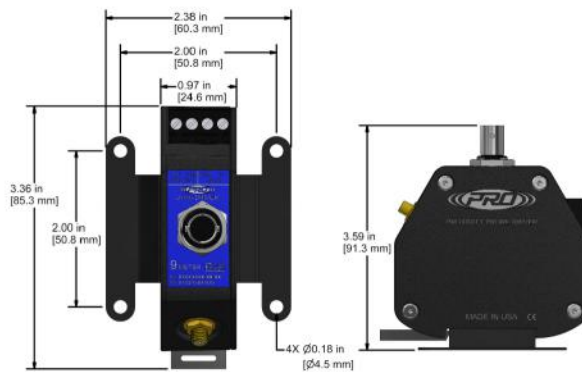


Intrinsically Safe DD100970 Series

Intrinsically Safe FFv PRO Proximity Probe Driver for Eddy Current Probe, 4-20 mA Output



Product Features



Specifications

Built to Order

Optional Regulatory Approvals

US & Canada:

Class I Division 1 Groups A, B, C, D
 Class II Division 1 Group 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



CSA, ATEX, IECEx Approvals Require Intrinsically Safe Barrier Driver must be mounted in a NEMA 4x and/or IP6x enclosure
FOR REFERENCE ONLY, PLEASE REFER TO CONTROL DRAWING

Lifetime Warranty on Materials & Workmanship

www.ctconline.com | sales@ctconline.com | 585-924-5900

Intrinsically Safe DP1009

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



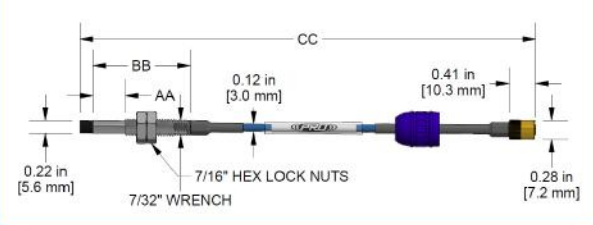
Product Features

Measure shaft vibration and displacement on machinery with fluid film bearings

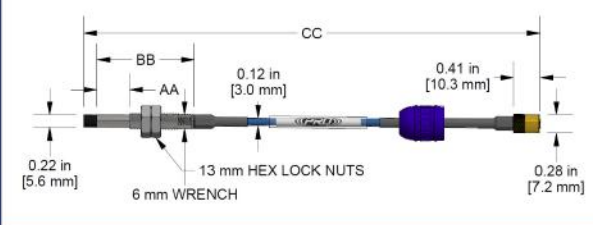
Durable PPS over-molded probe tips withstand harsh conditions when monitoring critical machinery such as turbines and compressors

- ▶ 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

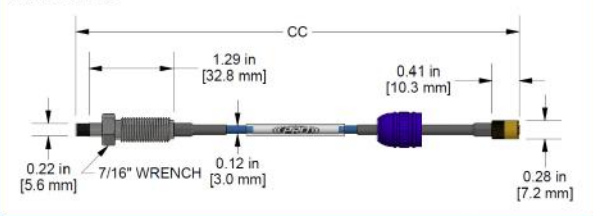
DP100901
Standard Mount



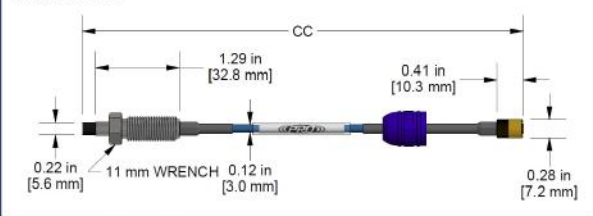
DP100903
Standard Mount



DP100906
Reverse Mount



DP100907
Reverse Mount



Lengths AA, BB, and CC are configurable

Specifications

| | |
|-------------------|--|
| Temperature Range | -49 to 340°F (-45 to 171°C) |
| Sensitivity | -200 mV/mil (-7.87 V/mm) (1 mil = 0.001") |
| 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 |
| 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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Intrinsically Safe DP1009 with Armor



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



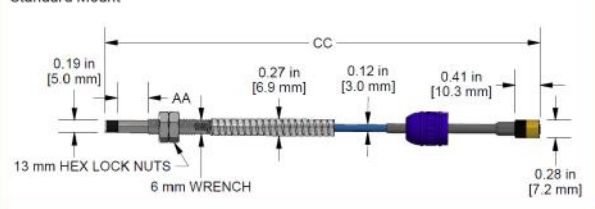
Product Features

Measure shaft vibration and displacement on machinery with fluid film bearings

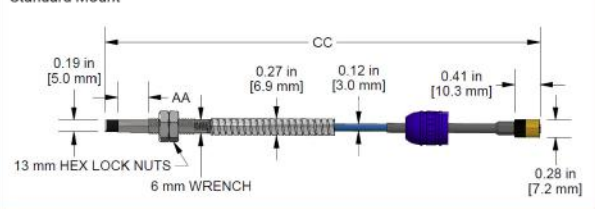
Durable PPS over-molded probe tips withstand harsh conditions when monitoring critical machinery such as turbines and compressors

- ▶ 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

DP100902
Standard Mount



DP100904
Standard Mount



Lengths AA, BB, and CC are configurable

Specifications

| | |
|-------------------|--|
| Temperature Range | -49 to 340°F (-45 to 171°C) |
| Sensitivity | -200 mV/mil (-7.87 V/mm) (1 mil = 0.001") |
| 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 |
| 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



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Lifetime Warranty on Materials & Workmanship

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Intrinsically Safe DC100930

Intrinsically Safe Proximity Probe Extension Cable for PRO FFv™ 5 mm Probes, FEP Jacket

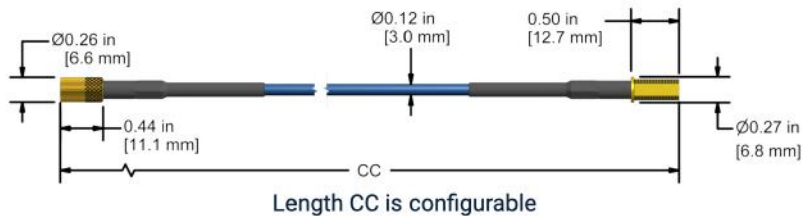


Product Features

Continuous Monitoring in Hazardous Locations

PRO DC100930 extension cables combine with DP1009 series probes and DD100980 series drivers to form a complete assembly to monitor vibration and shaft position

- ▶ Excellent chemical resistance
- ▶ Protective sleeves to cover connections (optional)
- ▶ Upgraded to include SecureLock connector



Specifications

| | |
|-------------------------|---------------------------------------|
| Temperature Range | -49°F (-45°C) to 250°F (121°C) |
| Material | FEP (Flouroethylene Propylene) Jacket |
| Connector | SecureLock |
| Connector Pull Strength | Up to 70 lbs. |
| System Length | Matched to 5 & 7 meter system lengths |
| 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



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