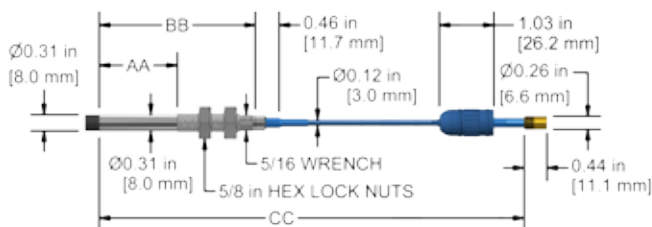


# DP1001 Series

**Intrinsically Safe, PRO 8 mm, 3/8–24 Case Thread,  
Eddy Current/Proximity Probes**



## REGULATORY APPROVALS

**IECEX**  
CSA 16.0017X

**SP**  
C 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

PRO DP1001 series proximity probes 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.

- 8 mm probe tip diameter with 3/8-24 threaded body
- Probe tip and body sealed to prevent leaking through cable
- 316L stainless steel probe body and jam nuts

## Specifications

Temperature Range: -31°F (-35°C) to 350°F (177°C)  
Sensitivity: -200 mV/mil (-7.87 V/mm) (1 mil = 0.001")  
5/16 in wrench flats at cable end of probe body  
Miniature 12-32 threaded connector  
FEP jacketed cable, available with optional 304 stainless steel armor jacket  
IP Rating (Probe) – IP68

## Ordering Information

**DP1001**    - AA - BB - CC - 01 - 05

Case Thread	No Thread Length		Case Length		Total Length	Connector	Regulatory Approval
01 = 3/8-24 No Armor  02 = 3/8-24 Armor	00 = 0.0 in	40 = 4.0 in	15 = 1.5 in	60 = 6.0 in	05 = 0.5 meter	01 = mini coax, with connector protector	05 = CSA, ATEX, IECEx Approvals
	05 = 0.5 in	50 = 5.0 in	20 = 2.0 in	70 = 7.0 in	10 = 1.0 meter		
	10 = 1.0 in	60 = 6.0 in	30 = 3.0 in	80 = 8.0 in	50 = 5.0 meter		
	20 = 2.0 in	70 = 7.0 in	40 = 4.0 in	95 = 9.5 in	90 = 9.0 meter		
	30 = 3.0 in	80 = 8.0 in	50 = 5.0 in				
NOTE: 0.5 in. increments up to 1 in. less than the case length			NOTE: Highlighted lengths are stocked for shorter lead times				



### Example Part Number: DP100101-05-15-05-01-05

No armor, 0.5 inch no thread length, 1.5 inch case length, 0.5 meter total length, mini coax with connector protector, CSA, ATEX, IECEx certified



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

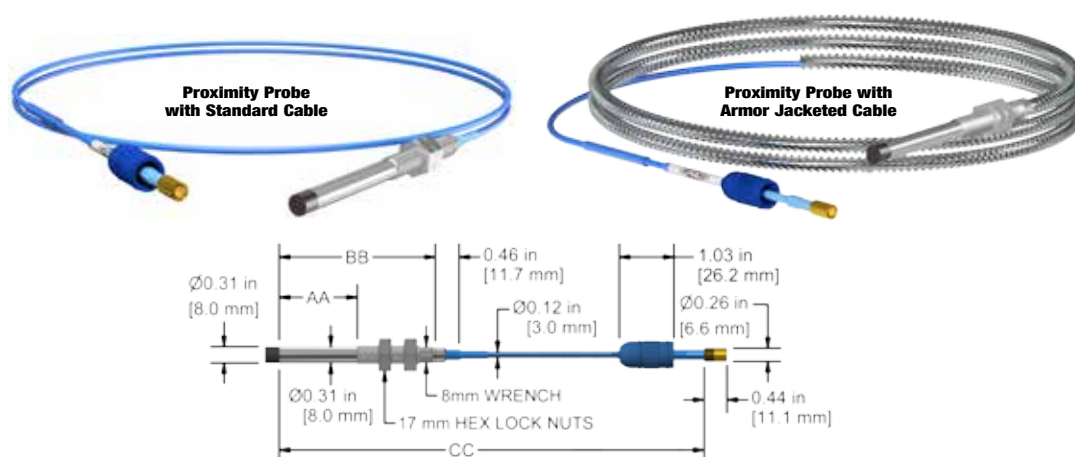


PROTECTION & RELIABILITY INSTRUMENTS

**Lifetime Warranty on Materials & Workmanship**

# DP1001 Series

**Intrinsically Safe, PRO 8 mm, M10x1 Case Thread, Eddy Current/Proximity Probes**



## REGULATORY APPROVALS

IECEX  
CSA 16.0017X

SP®  
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

PRO DP1001 series proximity probes 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.

- 8 mm probe tip diameter with M10x1 threaded body
- Probe tip and body sealed to prevent leaking through cable
- 316L stainless steel probe body and jam nuts

## Specifications

Temperature Range: -31°F (-35°C) to 350°F (177°C)

Sensitivity: -200 mV/mil (-7.87 V/mm) (1 mil = 0.001")

8 mm wrench flats at cable end of probe body

Miniature 12-32 threaded connector

FEP jacketed cable, available with optional 304 stainless steel armor jacket

IP Rating (Probe) – IP68

## Ordering Information

All  
Products  
Are Built  
To Order

DP1001  -  -  -  -  -  -

Case Thread	No Thread Length		Case Length		Total Length	Connector	Regulatory Approval
03 = M10x1 No Armor	00 = 0 mm	08 = 80 mm	03 = 30 mm	10 = 100 mm	05 = 0.5 meter	01 = mini coax, with connector protector	05 = CSA, ATEX, IECEx Approvals
	01 = 10 mm	10 = 100 mm	04 = 40 mm	12 = 120 mm	10 = 1.0 meter		
	02 = 20 mm	12 = 120 mm	05 = 50 mm	14 = 140 mm	50 = 5.0 meter		
	03 = 30 mm	14 = 140 mm	06 = 60 mm	16 = 160 mm	90 = 9.0 meter		
04 = M10x1 Armor	04 = 40 mm	16 = 160 mm	07 = 70 mm	18 = 180 mm			
	05 = 50 mm	18 = 180 mm	08 = 80 mm	20 = 200 mm			
	06 = 60 mm	20 = 200 mm		22 = 220 mm			
	07 = 70 mm	22 = 220 mm		25 = 250 mm			

NOTE: 10 mm increments up to 30 mm less than the case length

NOTE: Highlighted lengths are stocked for shorter lead times

**Example Part Number: DP100103-01-10-05-01-05**

No armor, 10 mm no thread length, 100 mm case length, 0.5 meter total length, mini coax with connector protector, CSA, ATEX, IECEx certified



### Read Before Purchasing:

Important information on Regulatory Approvals and Requirements on Pages 421-423

**Lifetime Warranty on Materials & Workmanship**

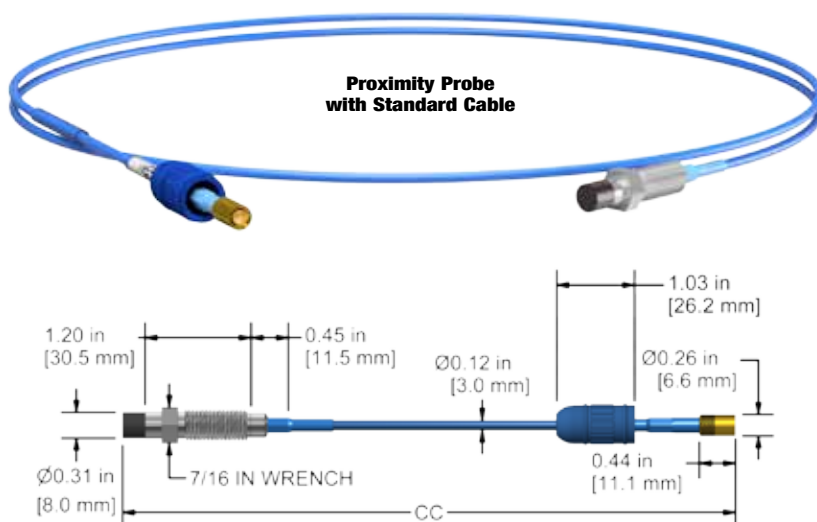
[www.ctconline.com](http://www.ctconline.com)



# DP100105 Series

## Intrinsically Safe, PRO Reverse Mount\* 8 mm, 3/8-24 Case Thread, Eddy Current/Proximity Probes

\*Requires Connector Protector Tool Kit. See DM940 -1A on page xx.



### REGULATORY APPROVALS

IECEX  
CSA 16.0017X

SP®  
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

PRO DP100105 series proximity probes 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.

- 8 mm probe tip diameter with 3/8-24 threaded body
- Probe tip and body sealed to prevent leaking through cable
- 316L stainless steel probe body and integral jam nut

## Specifications

Temperature Range: -31°F (-35°C) to 350°F (177°C)

Sensitivity: -200 mV/mil (-7.87 V/mm) (1 mil = 0.001")

7/16 in wrench flats on front of probe

Miniature 12-32 threaded connector

FEP jacketed cable

IP Rating (Probe) – IP68

## Ordering Information

DP1001 0 5 0 2 - 1 2 - CC - 0 1 - 0 5

Case Thread	No Thread Length	Case Length	Total Length	Connector	Regulatory Approval
05 = reverse mount with 3/8-24 threaded body	02 = 0.2 in	12 = 1.2 in	05 = 0.5 meter 10 = 1.0 meter 50 = 5.0 meter 90 = 9.0 meter	01 = mini coax, with connector protector (See Note)  NOTE: Connector Protector must be installed in the field	05 = CSA, ATEX, IECEx Approvals

All Products Are Built To Order

Example Part Number: **DP100105-02-12-05-01-05**

Reverse mount with 3/8-24 threaded body, 0.2 inch no thread length, 1.2 inch case length, 0.5 meter total length, mini coax with connector protector, CSA, ATEX, IECEx certified



#### Read Before Purchasing:

Important information on **Regulatory Approvals** and **Requirements** on Pages 421-423



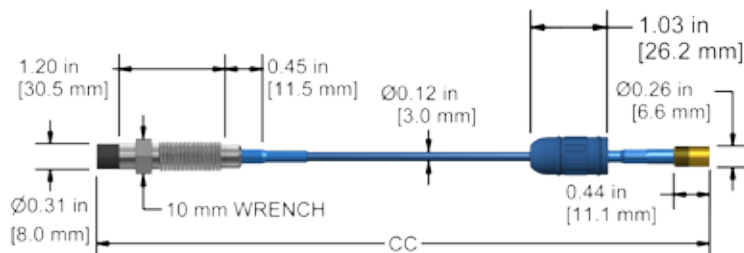
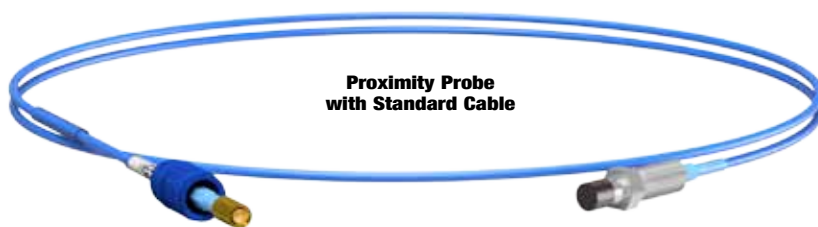
PROTECTION & RELIABILITY INSTRUMENTS

**Lifetime Warranty on Materials & Workmanship**

# DP100106 Series

## Intrinsically Safe, PRO Reverse Mount\* 8 mm, M10x1 Case Thread, Eddy Current/Proximity Probes

\*Requires Connector Protector Tool Kit. See DM940-1A on page xx.



### REGULATORY APPROVALS

IECEX  
CSA 16.0017X

SP®  
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

PRO DP100106 series proximity probes 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.

- 8 mm probe tip diameter with M10x1 threaded body
- Probe tip and body sealed to prevent leaking through cable
- 316L stainless steel probe body and integral jam nut

## Specifications

Temperature Range: -31°F (-35°C) to 350°F (177°C)

Sensitivity: -200 mV/mil (-7.87 V/mm) (1 mil = 0.001")

10 mm wrench flats on front of probe

Miniature 12-32 threaded connector

FEP jacketed cable

IP Rating (Probe) – IP68

## Ordering Information

DP1001 06 05 - 30 - CC - 01 - 05

Case Thread	No Thread Length	Case Length	Total Length	Connector	Regulatory Approval
06 = reverse mount with M10x1 threaded body	05 = 5 mm	30 = 30 mm	05 = 0.5 meter 10 = 1.0 meter 50 = 5.0 meter 90 = 9.0 meter	01 = mini coax, with connector protector (See Note)  NOTE: Connector Protector must be installed in the field	05 = CSA, ATEX, IECEx Approvals



Example Part Number: **DP100106-05-30-05-01-05**

Reverse mount with M10x1 threaded body, 5 mm no thread length, 30 mm case length, 0.5 meter total length, mini coax with connector protector, CSA, ATEX, IECEx certified



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



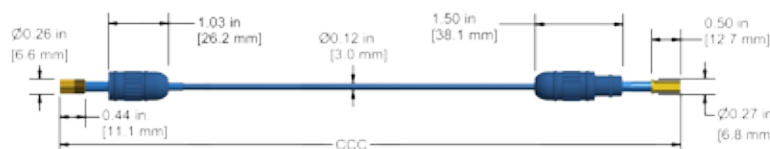
**Lifetime Warranty on Materials & Workmanship**

[www.ctconline.com](http://www.ctconline.com)

Standard Cable



Armored Cable



### REGULATORY APPROVALS

IECEX  
CSA 16.0017X

SP®  
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

PRO DC1001 extension cables combine with DP1001 series probes and DD1001 series drivers to form a complete assembly to monitor vibration and shaft position.

- Matched with PRO 8 mm probes and driver assemblies for cost effective and reliable measurements
- Excellent chemical resistance
- Protective sleeves to cover connections

## Specifications

Temperature Range: -31°F (-35°C) to 350°F (177°C)

Connector pull strength up to 70 lbs

Matched to 5 & 9 meter system lengths

Male & female miniature 12-32 threaded connectors

FEP jacketed cable, available with optional 304 stainless steel armor jacket

## Ordering Information

DC100130

CCC

05

System Length  
(REFERENCE ONLY)

50 = 5.0 meter

90 = 9.0 meter

Total Length of Extension Cable

040 = 4.0 meter

045 = 4.5 meter

080 = 8.0 meter

085 = 8.5 meter

Armor

02 = No, with  
connector protector

03 = Yes, with  
connector protector

Regulatory Approval

05 = CSA, ATEX,  
IECEX Approvals



Example Part Number: **DC100130-040-02-05**

4.0 meter total length, no armor, with connector protector, 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**