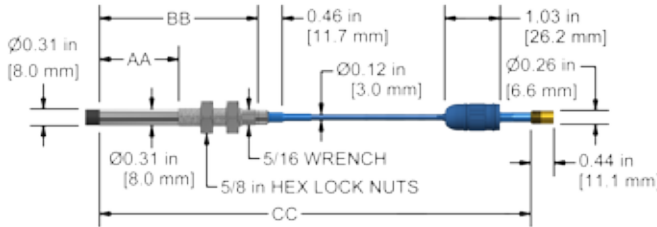


# DX3301 Series

**BENTLY™ 3300/3300XL COMPATIBLE, Intrinsically Safe, 8 mm, 3/8–24 Case Thread, Eddy Current/Proximity Probes**



**REGULATORY APPROVALS**

IECEX CSA 16.0017X

SP® C US 221421

Ex II 1G

CE 0518

**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

Bently™ Compatible DX3301 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

DX3301  -  AA -  BB -  CC - 01 - 05

Case Thread	No Thread Length	Case Length	Total Length	Connector	Regulatory Approval
01 = 3/8-24 No Armor	00 = 0.0 in	15 = 1.5 in	05 = 0.5 meter	01 = mini coax, with connector protector	05 = CSA, ATEX, IECEx Approvals
	40 = 4.0 in	60 = 6.0 in	60 = 6.0 in		
02 = 3/8-24 Armor	05 = 0.5 in	20 = 2.0 in	70 = 7.0 in		
	10 = 1.0 in	30 = 3.0 in	80 = 8.0 in		
	20 = 2.0 in	40 = 4.0 in	90 = 9.0 in		
	30 = 3.0 in	50 = 5.0 in	90 = 9.0 meter		
	80 = 8.0 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: DX330101-05-15-05-01-05**  
 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

**Lifetime Warranty on Materials & Workmanship**

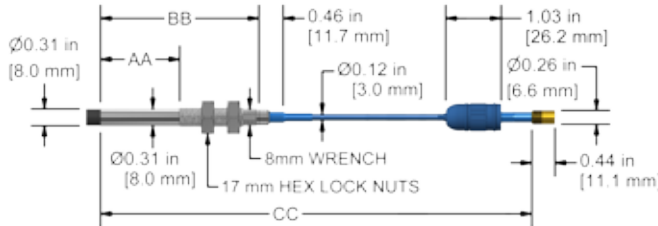
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SECTION 6 - PRO LINE  
Hazardous Area Proximity Probes

# DX3301 Series

**BENTLY™ 3300/3300XL COMPATIBLE, Intrinsically Safe, 8 mm, M10x1 Case Thread, Eddy Current/Proximity Probes**



**REGULATORY APPROVALS**

IECEX CSA 16.0017X

SP® C US 221421

Ex II 1G

CE 0518

**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

Bently™ Compatible DX3301 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

DX3301  -  AA -  BB -  CC -  01 -  05

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		
04 = M10x1 Armor	03 = 30 mm	14 = 140 mm	06 = 60 mm	16 = 160 mm	90 = 9.0 meter		
	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: DX330103-01-10-05-01-05**

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



PROTECTION & RELIABILITY INSTRUMENTS

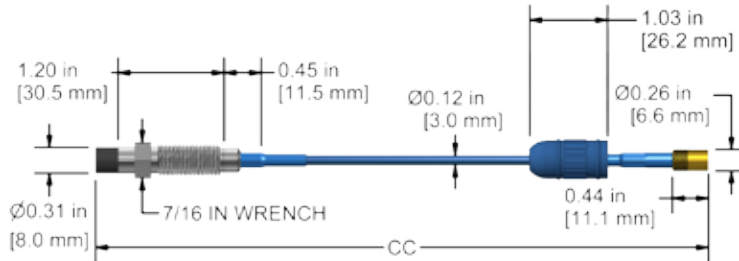
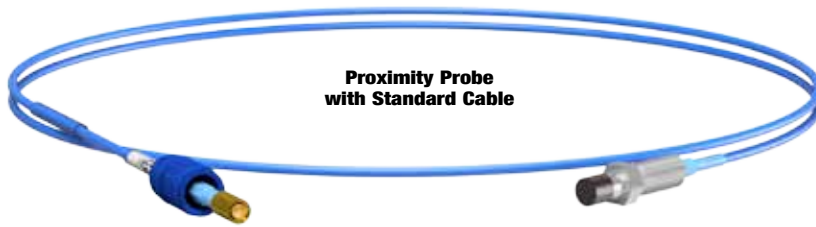
**Lifetime Warranty on Materials & Workmanship**

SECTION 6 - PRO LINE  
Hazardous Area Proximity Probes

# DX330105 Series

## BENTLY™ 3300/3300XL COMPATIBLE, Intrinsically Safe, 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 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

Bently™ Compatible DX330105 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

DX3301 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)	05 = CSA, ATEX, IECEX Approvals
		NOTE: Highlighted lengths are stocked for shorter lead times		NOTE: Connector Protector must be installed in the field	



Example Part Number: **DX330105-02-12-05-01-05**

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

Lifetime Warranty on Materials & Workmanship

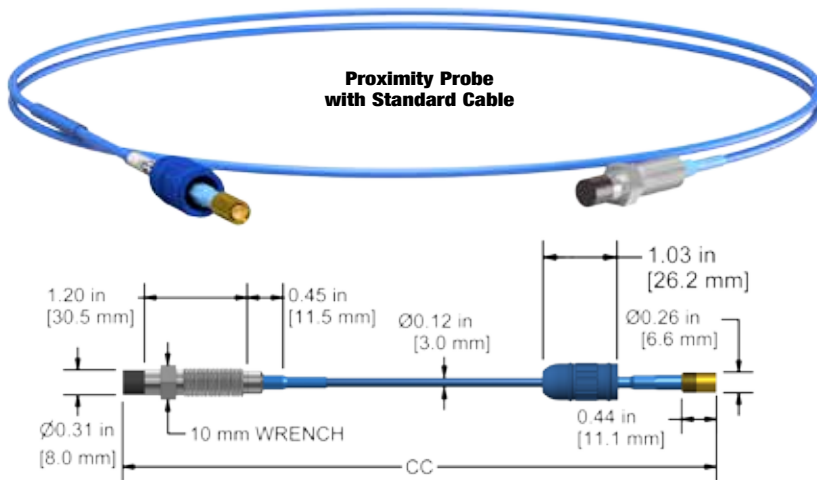
www.ctconline.com



# DX330106 Series

## BENTLY™ 3300/3300XL COMPATIBLE, Intrinsically Safe, 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

Ex II 1G

CE 0518

**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

Bently™ Compatible DX330106 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

DX3301 0 6 0 5 - 3 0 - CC - 0 1 - 0 5

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)	05 = CSA, ATEX, IECEX Approvals
		NOTE: Highlighted lengths are stocked for shorter lead times		NOTE: Connector Protector must be installed in the field	



**Example Part Number: DX330106-05-30-05-01-05**

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



PROTECTION & RELIABILITY INSTRUMENTS

**Lifetime Warranty on Materials & Workmanship**

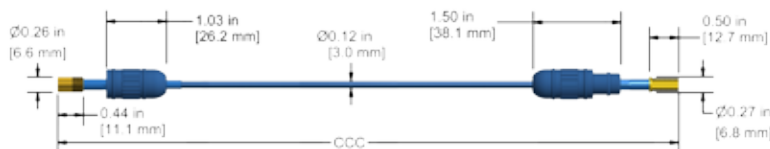
# DX330130 Series

**BENTLY™ 3300/3300XL COMPATIBLE, Intrinsically Safe, 8mm, Extension Cable**

Standard Cable



Armored Cable



**REGULATORY APPROVALS**

IECEX  
CSA 16.0017X

SP®  
C US  
221421

Ex

CE 0518

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

Bently™ Compatible DX330130 extension cables combine with DX3301 series probes and DX3301 series drivers to form a complete assembly to monitor vibration and shaft position.

- Matched with Bently™ Compatible 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

DX330130

CCC

05

System Length  
(REFERENCE ONLY)

	Total Length of Extension Cable	Armor	Regulatory Approval
50 = 5.0 meter	040 = 4.0 meter 045 = 4.5 meter	02 = No, with connector protector 03 = Yes, with connector protector	05 = CSA, ATEX, IECEx Approvals
90 = 9.0 meter	080 = 8.0 meter 085 = 8.5 meter		

All Products Are Built To Order

**Example Part Number: DX330130-040-02-05**

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

**Lifetime Warranty on Materials & Workmanship**

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