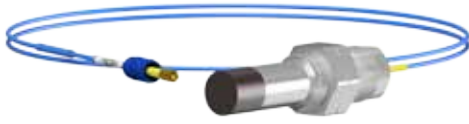


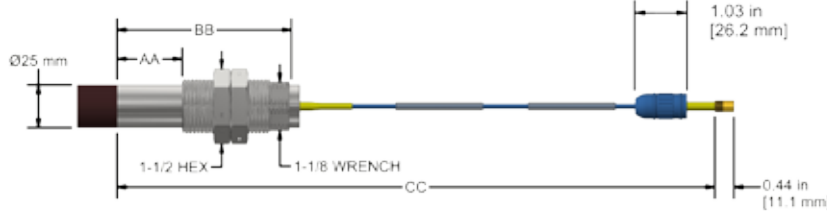
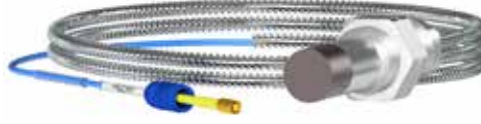
DP100851 Series

Intrinsically Safe, PRO 25 mm, 1 1/4-12 Case Thread, Eddy Current/Proximity Probes

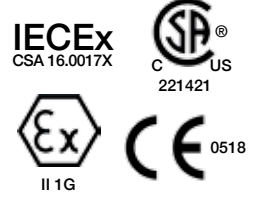
Proximity Probe with Standard Cable



Proximity Probe with Armor Jacketed Cable



REGULATORY APPROVALS



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 DP100851 series proximity probes measure Differential Expansion (DE) on machinery with fluid film bearings. Durable PPS over-molded probe tips withstand harsh conditions when monitoring critical machinery such as turbines and compressors.

- 25 mm probe tip diameter with 1 1/4-12 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: -20 mV/mil (-0.787 V/mm) (1 mil = 0.001")
 1 1/8 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

DP100851 - AA - BB - CC - 05

Case Thread	No Thread Length	Case Length	Total Length	Armor	Regulatory Approval
01 = 1 1/4-12	00 = 0.0 in	15 = 1.5 in	10 = 1.0 meter	02 = No, with connector protector	05 = CSA, ATEX, IECEx Approvals
	40 = 4.0 in		50 = 5.0 meter		
	05 = 0.5 in	20 = 2.0 in	90 = 9.0 meter	03 = Yes, with connector protector	
	10 = 1.0 in	30 = 3.0 in			
	20 = 2.0 in	70 = 7.0 in			
30 = 3.0 in	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			

All Products Are Built To Order

Example Part Number: DP10085101-05-15-10-02-05

1 1/4-12 thread, 0.5 inch no thread length, 1.5 inch case length, 1.0 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

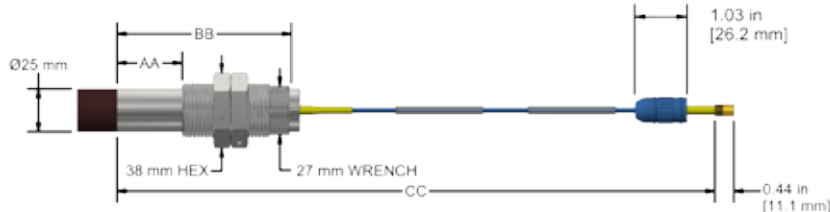
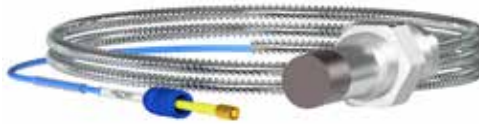
DP100851 Series

Intrinsically Safe, PRO 25 mm, M30x2 Case Thread, Eddy Current/Proximity Probes

Proximity Probe with Standard Cable



Proximity Probe with Armor Jacketed 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 DP100851 series proximity probes measure Differential Expansion (DE) on machinery with fluid film bearings. Durable PPS over-molded probe tips withstand harsh conditions when monitoring critical machinery such as turbines and compressors.

- 25 mm probe tip diameter with M30x2 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: -20 mV/mil (-0.787 V/mm) (1 mil = 0.001")
27 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

DP100851

Case Thread	No Thread Length		Case Length	Total Length	Armor	Regulatory Approval
02 = M30x2	00 = 0 mm	08 = 80 mm	03 = 30 mm	10 = 1.0 meter	02 = No, with connector protector	05 = CSA, ATEX, IECEx Approvals
	01 = 10 mm	10 = 100 mm	04 = 40 mm	50 = 5.0 meter		
	02 = 20 mm	12 = 120 mm	05 = 50 mm	90 = 9.0 meter	03 = Yes, with connector protector	
	03 = 30 mm	14 = 140 mm	06 = 60 mm			
	04 = 40 mm	16 = 160 mm	07 = 70 mm			
	05 = 50 mm	18 = 180 mm	08 = 80 mm			
	06 = 60 mm	20 = 200 mm				
	07 = 70 mm	22 = 220 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: DP10085102-00-08-10-02-05

M30x2 thread, 0 mm no thread length, 80 mm case length, 1.0 meter total length, no armor, with connector protector, CSA, ATEX, IECEx certified

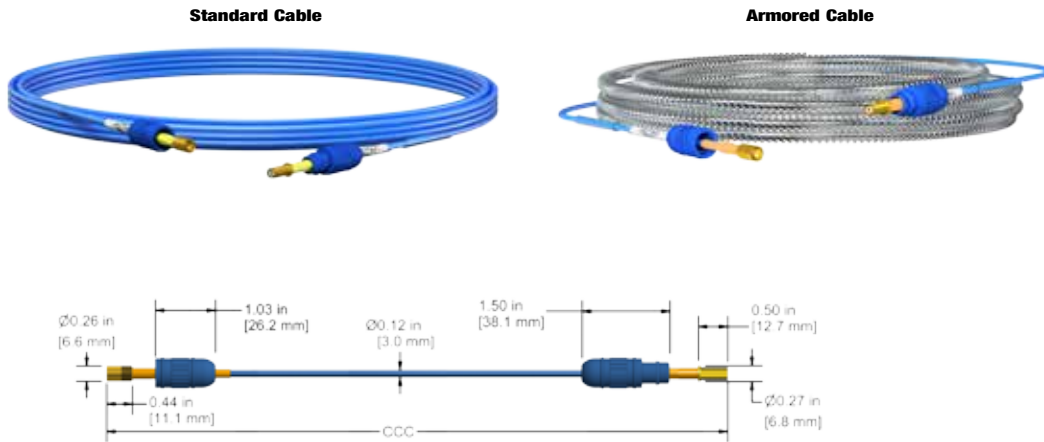


Read Before Purchasing:
Important information on Regulatory Approvals and Requirements on Pages 421-423



Lifetime Warranty on Materials & Workmanship

www.ctconline.com



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

PRO DC100854 extension cables combine with PRO DP100851 series probes and PRO DD1008 series drivers to form a complete assembly for monitoring Differential Expansion (DE).

- Matched with PRO 25 mm probes and driver assemblies for cost effective and reliable measurements
- Excellent chemical resistance
- Protective sleeves to cover connection

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

DC100854 - CCC - [] - [] - 05

System Length (REFERENCE ONLY)	Total Length of Extension Cable	Armor	Regulatory Approval
50 = 5.0 meter	040 = 4.0 meter	02 = No, with connector protector 03 = Yes, with connector protector	05 = CSA, ATEX, IECEX Approvals
90 = 9.0 meter	080 = 8.0 meter		



Example Part Number: DC100854-040-02-05
 4.0 meter total length, no armor, with protector connector, CSA, ATEX, IECEX certified

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

