DD100970 Series

PRO FFv, 4-20 mA Output, Driver Assembly

2.38 in [60.5 mm]
2.00 in [50.8 mm]
1.02 in [25.9 mm]
2.35 in [85.0 mm]
2.00 in [50.8 mm]
3.51 in [89.2 mm]
4X Ø0.14 in [3.5 mm]

CE Certified

Panel Mount Option
(Shown Above)

Panel Mount Option
(Shown Above)

TERMINAL BLOCK WIRING

Connections	Functions
–	4-20 mA Supply
+	4-20 mA DC Gap
Com	
V$_{out}$	-200 mV/mil, DC Gap
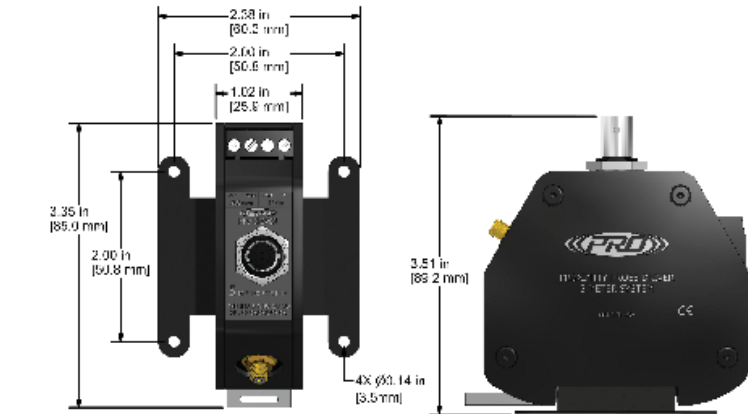
Product Features

Driver assembly DD100970 offers multiple options for mounting and easy connections via BNC jack and screw terminals.

- *Flexible system configuration*
- *4-20 mA current loop provides power to the driver, and a displacement output proportional to the DC gap*
- *-200 mV/mil (-7.87 V/mm) output available at terminal block (V$_{out}$ & Com) and at the BNC*
- *Multiple mounting options (DIN rail, panel or none)*

Specifications

Temperature Range: -49°F (-45°C) to 185°F (85°C)
Linear Range: 10 to 70 mils (.25 - 2.30 mm) @ approximately 4-20 mA
Nominal Voltage Output: -200 mV/mil (-7.87 V/mm)
4-20 mA Output: 0.20 mA/mil
Input Power/Voltage: 17.5 VDC to 30 VDC (Loop Powered)
Aluminum enclosure
Miniature 12-32 threaded connector
4 position screw terminals + BNC output

Ordering Information

DD1 ☐☐ 970 - ☐ ☐ - 0 0

Calibrated Material	System Length	Mounting Type	Regulatory Approval
00 = 4140 Steel	**5** = 5.0 meter	**0** = Panel (Mounting Screws Are Not Included)	**00** = CE Certified
08 = 1045 Steel	**7** = 7.0 meter		
10 = 17-4 Stainless Steel			
11 = 420 Stainless Steel		**1** = DIN	
12 = 304 Stainless Steel			
13 = 316 Stainless Steel		**2** = None	
20 = 360 Brass Alloy			
30 = AL7075-T			

All Products Are Built To Order

Example Part Number: *DD100970-71-00*
4140 Steel, 7 meter system length, DIN mount, CE certified

Lifetime Warranty on Materials & Workmanship

PROTECTION & RELIABILITY INSTRUMENTS