

DC - 2 WIRE NAMUR
Brass, Nickel Plated (BN),
and Plastic (TROGAMID-T)
Cylindrical, Threaded

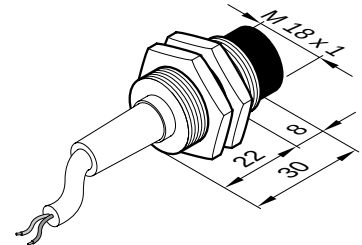
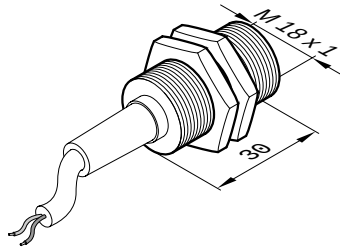
- *Low energy device*
- *Operates in hazardous areas with external amplifier*
- *Meets NAMUR regulations and DIN 19234 specifications*
- *Carries C mark*

- IEC(529) IP67 (NEMA 1, 3, 4, 6, 12, 13) Protection
- Reverse Polarity Protection
- Plastic and Metal Housing according to NAMUR Regulations and DIN 19234
- Temperature Range: -25 to 70°C (-13 to 158°F)

M18 Flush Mount			M18 Non-Flush Mount	
Sensing Distance	5mm (.20 in.)		8mm (.31 in.)	
Cable or Connector Style Cat. No.	Cable	65	Cable	65
Nickel Plated Brass (BN)	9932-0500	9932-0565	9932-0600	9932-0665
Plastic (TROGAMID T)	9932-1300		9932-1200	
Ripple Voltage	≤5%	≤5%	≤5%	≤5%
Voltage Range (supplied by Pulsotronic 8100-2200 Unit)	8.2V DC at 1KΩ	8.2V DC at 1KΩ	8.2V DC at 1KΩ	8.2V DC at 1KΩ
Output Current (with target detection)	0.5 mA	0.5 mA	0.5 mA	0.5 mA
Output Current (no target detection)	3.5 mA	3.5 mA	3.5 mA	3.5 mA
Switching Frequency	1000 0Hz	1000 Hz	500 Hz	500 Hz
Hysteresis	≤15%	≤15%	≤15%	≤15%
Temperature Drift	≤10%	≤10%	≤10%	≤10%
Repeatability	.5mm (.02 in.)	.5mm (.02 in.)	.8mm (.03 in.)	.8mm (.03 in.)
Front Cap Material	PBTP (Metal Housing)	PBTP (Metal Housing)	PBTP (Metal Housing)	PBTP (Metal Housing)

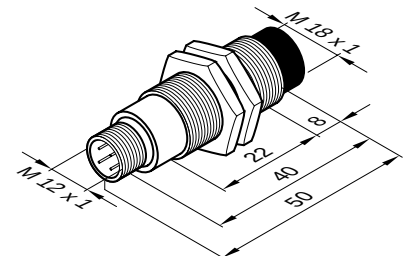
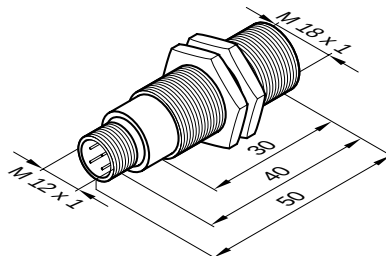
Fixed Cable

PVC 2m (6ft. 6in.). For 5m (16 ft. 5 in.) cable length, change the last two digits of the part number to 02. For other cable lengths and/or PUR cable, please consult Altech. Supplied with Brass, Nickel Plated (BN) locknuts.



65 Style Connector

4-pin, Micro style, 12mm (.47 in.) supplied with Brass, Nickel Plated (BN) locknuts.



Metric/in. Conversion Table

1.0 mm = .04 in.	28.0 mm = 1.16 in.
1.5 mm = .06 in.	30.0 mm = 1.20 in.
8.0 mm = .31 in.	40.0 mm = 1.57 in.
12.0 mm = .47 in.	50.0 mm = 1.96 in.
18.0 mm = .70 in.	51.0 mm = 2.00 in.
22.0 mm = .86 in.	60.0 mm = 2.36 in.

This table converts millimeters to inches in reference to the illustrations included on these pages

Accessories

2 meter (6 ft. 6 in.) DC Cable Assemblies for Quick Disconnect Sensors

65 Connectors, 4 PIN – 4 Wire cable (PIN 1, 2, 3, 4) :
65 Connector 8000-5280 PVC Right Angle

Change last digit of connector number to 5 for 5 meter cable

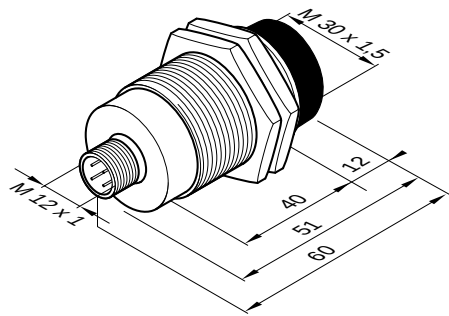
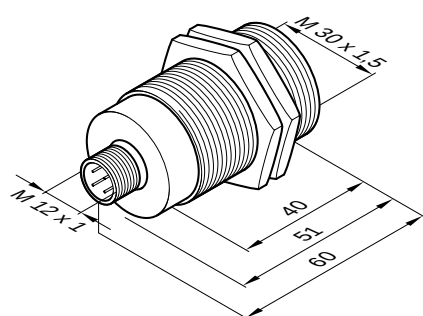
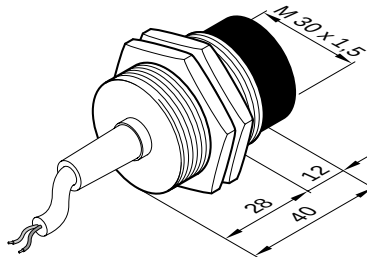
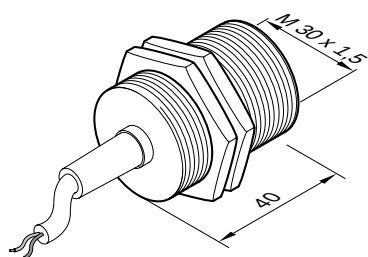
Refer to page s 116-121 for more cable information

Remote Amplifier –
Use 8100-2200, see page 123

Mounting Brackets – see Pages 114-115

M30 Flush Mount 10mm (.39 in.)		M30 Non-Flush Mount 15mm (.59 in.)	
Cable	65	Cable	65
9932-0700	9932-0765	9932-0800	9932-0865
9932-1500		9932-1400	
≤5%	≤5%	≤5%	≤5%
8.2V DC at 1KΩ	8.2V DC at 1KΩ	8.2V DC at 1KΩ	8.2V DC at 1KΩ
0.5 mA	0.5 mA	0.5 mA	0.5 mA
3.5 mA	3.5 mA	3.5 mA	3.5 mA
500 Hz	500 Hz	300 Hz	300 Hz
≤15%	≤15%	≤15%	≤15%
≤10%	≤10%	≤10%	≤10%
.1mm (.039 in.)	.1mm (.039 in.)	1.5mm (.059 in.)	1.5mm (.059 in.)
PBTP (Metal Housing)	PBTP (Metal Housing)	PBTP (Metal Housing)	PBTP (Metal Housing)

Note: Sensor dimensions in mm.



Wiring Diagrams

Note: Wire colors are applicable to cable purchased from Altech

