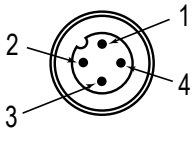
BWA-PRESSURE-Sensor Models

Model	Measurement Range	Description	Connection
BWA-PRESSURE-SENSOR-50	0–50 PSI	Includes pressure sensor PS1G50; gauge; 1/4"-18 NPT port	1 meter (39.36") cable with a 4-pin M12 male quick disconnect connector
BWA-PRESSURE-SENSOR-150	0–150 PSI	Includes pressure sensor PS1G150; gauge; 1/4"-18 NPT port	
BWA-PRESSURE-SENSOR-500	0–500 PSI	Includes pressure sensor PS1S500; sealed gauge; 1/4"-18 NPT port	
BWA-PRESSURE-SENSOR-3000	0–3000 PSI	Includes pressure sensor PS1S3000; sealed gauge; 1/4"-18 NPT port	

BWA-PRESSURE-SENSOR Wiring

4-pin M12 Male Quick Disconnect Connector	Pin	Wire Color	Description
	1	brown (bn)	Supply +
	2	green (gn)	Output
	3	blue (bu)	Supply -
	4		Not used / No connection

BWA-PRESSURE-SENSOR Specifications

Supply Voltage
9 V DC to 30 V DC

Current Consumption
< 3 mA

Pressure Range
Proof: 2X FS
Burst: 3X FS

Output
0 V DC to 5 V DC

Fatigue Life
More than 4 million cycles

Accuracy
Transducer: ±1.0% BFSL
Transducer and Node: ±1.4% FS

Stability
± 0.25% per Year

Pressure Port
1/4"-18 NPT

Construction
Housing: 304 stainless steel
Wetted material: 17-4PH stainless steel

Connection
1 m (39.36") cable with a 4-pin M12 male quick disconnect connector

Electrical Connection
Conduit Fitting with Cable

Zero/Span Offset Tolerance
± 2.5% FS

Temperature
Compensated: 0 °C to 85 °C (32 °F to 185 °F)
Operating: –40 °C to 125 °C (–40 °C to 257 °F)

Environmental Rating
IP65

Certifications

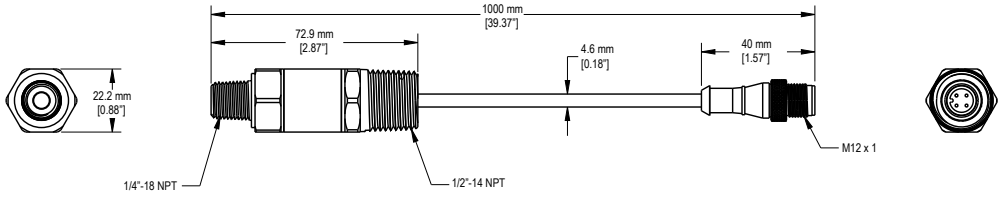
Banner Engineering BV
Park Lane, Culliganlaan 2F bus 3
1831 Diegem, BELGIUM

Turck Banner LTD Blenheim House
Blenheim Court
Wickford, Essex SS11 8YT
GREAT BRITAIN

BWA-PRESSURE-SENSOR Dimensions

All measurements are listed in millimeters, unless noted otherwise.

BWA-PRESSURE-SENSOR-50 and -150 gauge models



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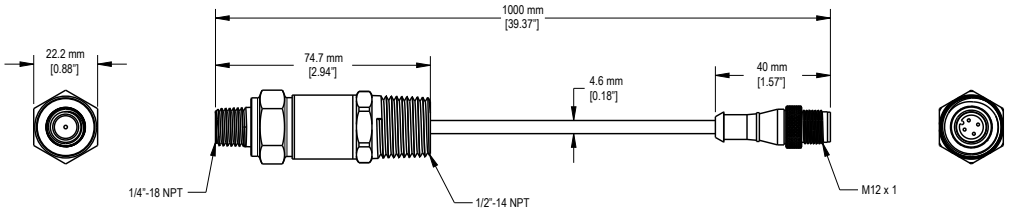
BWA-PRESSURE-SENSOR-500 and -3000 sealed gauge models



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