

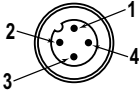


Pressure Sensor BWA-PRESSURE-SENSOR

Datasheet

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	

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

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: $\pm 1.0\%$ BFSL

Transducer and Node: $\pm 1.4\%$ FS

Stability

$\pm 0.25\%$ 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

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

Zero/Span Offset Tolerance

$\pm 2.5\%$ FS

Certifications



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



Turck Banner LTD Blenheim
House, Blenheim Court,
Wickford, Essex SS11 8YT,
Great Britain

Dimensions

All measurements are listed in millimeters, unless noted otherwise.

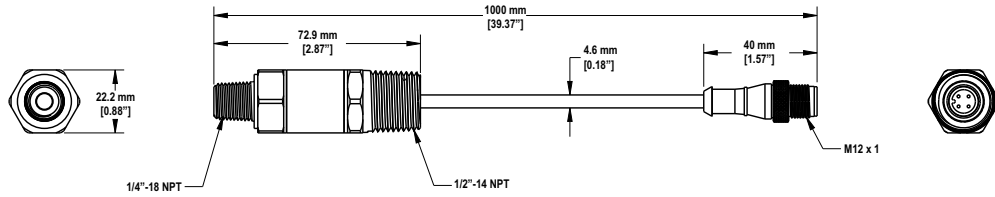


Figure 1: BWA-PRESSURE-SENSOR-50 and -150 gauge models

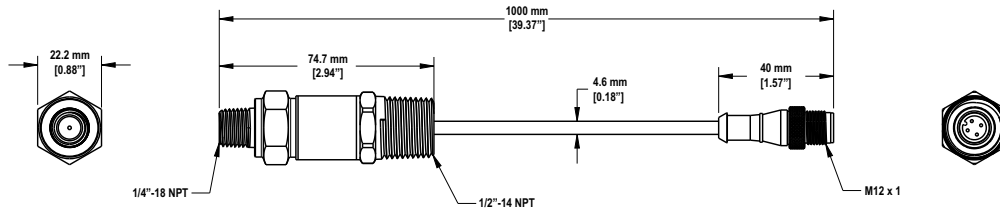


Figure 2: BWA-PRESSURE-SENSOR-500 and -3000 sealed gauge models

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Original Instructions

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