



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



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BELGIUM



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

Dimensions

All measurements are listed in millimeters, unless noted otherwise.

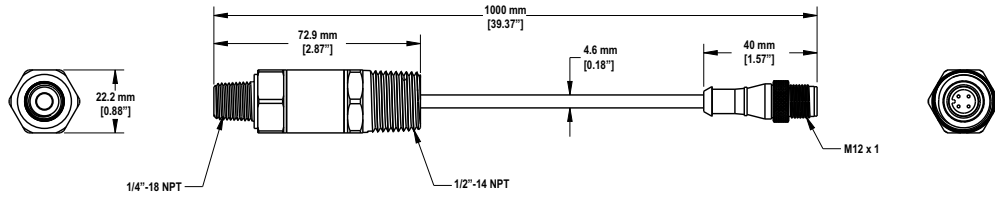


Figure 1: BWA-PRESSURE-SENSOR-50 and -150 gauge models

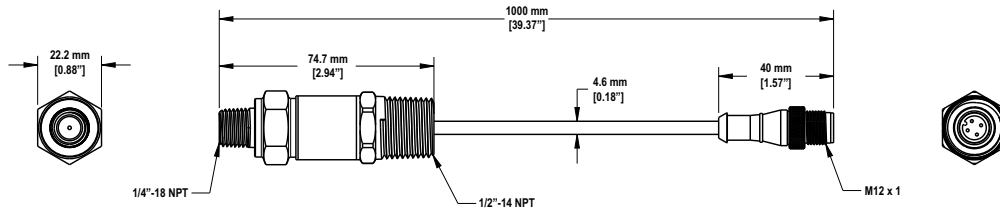


Figure 2: BWA-PRESSURE-SENSOR-500 and -3000 sealed gauge models

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Original Instructions

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