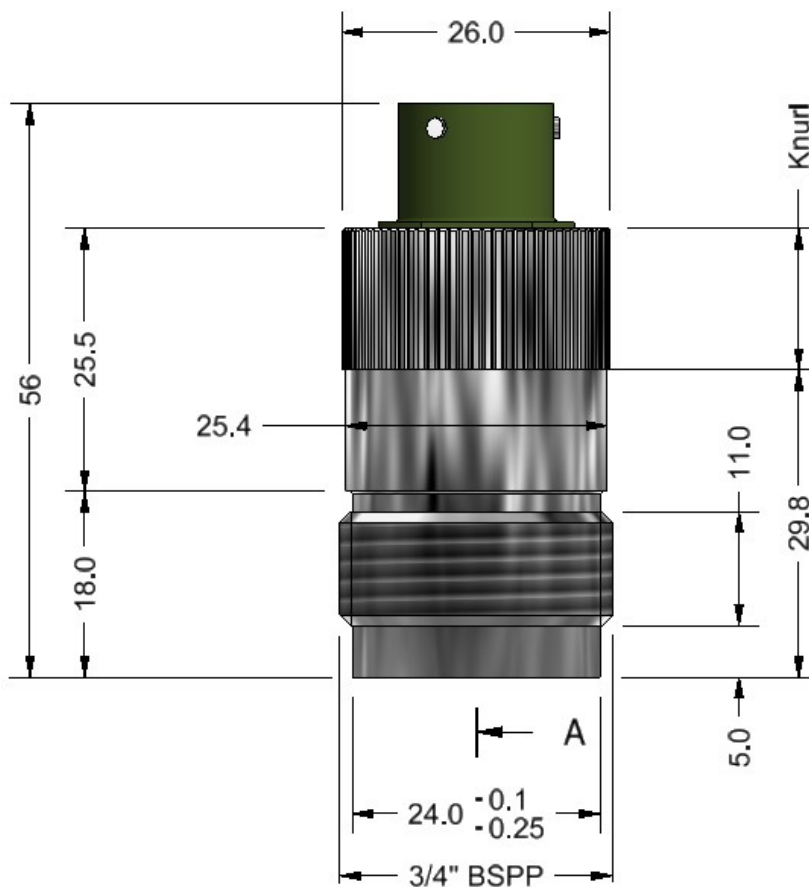


XE-0050-008

Data Sheet

IMPS (In-Mould Pressure Sensor)

0 to 4 Bar Absolute 120°C with MIL 26482 Connector



Pressure Specifications

Pressure Range	0—4 bar (Absolute)
Over Pressure	8 bar
Burst Pressure	12 bar
Pressure Port O-Ring	EPDM
Face Type	Ceramic
Housing Material	304 SS
Connector Type	MIL-C-26482, 6 pin



+44 (0)1752 849 998

Info@composite-integration.co.uk

www.composite-integration.co.uk

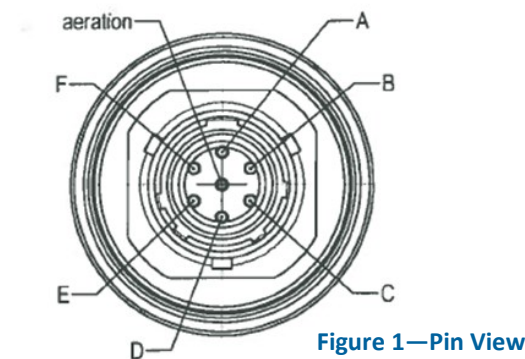
DS-0042-B Issued: 08.07.2022

Input Specifications	
Input Current	≤10 mA
Load Resistance	≥5.0kΩ, 10—30 VDC
Inverse-polarity protection, short-circuit strength @ 25°C during 5 min.	Up to 30 VDC

Output Specifications	
Span	4 bar, 0—10 VDC
TEB typ. @ -25 ... +85°C	±3.0% FS typ.
NLH @25°C (BSL) typ.	±0.2% FS typ.
TC zero point and span typ.	±0.03% FS/K typ.
Long term stability 1 year typ.	±0.3% FS typ.

Environmental Specifications	
Ambient Temperature	-25°C to +100°C
Media Temperature	-10°C to +125°C
Humidity	Max. 95% relative
Vibration	4g (10—2000 Hz)
Shock	50g/8ms
IP Rating	IP55 (IP67 with a mounted female connector)

Electrical Connections — see Figure 1	
A	Positive supply
B	Signal output
C	Not connected
D	0V supply
E	Earth
F	Not connected



Associated Parts	
Cables available to accompany XE-0050-008:	
XE-0060-05	IMPS— 3m Sensor Lead Assembly (Readout Unit to Sensor)
XE-0060-06	IMPS— 10m Sensor Lead Assembly (Readout Unit to Sensor)
XE-0060-07	IMPS— 25m Sensor Lead Assembly (Readout Unit to Sensor)

XE-0050-008 supersedes the following sensors. However these products are still available to purchase as replacements upon request:

XE-0050-002	IMPS— -1 to +3 bar Gauge Sensor
XE-0050-004	IMPS— -1 to +3 bar Gauge Sensor with 1m high-temperature cable
XE-0050-005	IMPS— -1 to +3 bar Gauge Sensor with 10m high-temperature cable