



U7100

Pressure Transducer

SPECIFICATIONS

- Performance standard for on and off highway engine & vehicle OEMs
- Rugged for heavy equipment and outdoor use such as HVAC refrigeration systems
- Designed specifically for high volume applications
- Stainless steel wetted surfaces
- Low pressure ranges
- CE Approved
- UL Certified
- Gage, absolute, sealed gage

The U7100 pressure transducer from the UltraStable line of MEAS sets a new price performance standard for demanding engine and vehicle, and industrial applications. This transducer is suitable for measurement of liquid or gas pressure, even for difficult media such as contaminated water, steam and corrosive fluids. The transducer pressure cavity is constructed of 316L stainless steel and there are no internal O-rings or organics exposed to the pressure media. Having excellent durability, it is available with a variety of leak-proof, all metal pressure connections. The U7100 is an automotive grade pressure transducer with hermetic pressure ports and an integral electrical connector with standard pressure ranges from 0 to 15, up to 150psi (10Bar).

This pressure sensor exceeds the latest industrial CE requirements and includes automotive electronics requirements such as surge protection, as well as being overvoltage protected to 16Vdc in both positive and reverse polarity.

This product is geared to the OEM customer for low to mid volumes. MEAS stands ready to provide a custom design of the U5700 where the volume and application warrants. Additional configurations not listed are either available or possible. Please inquire for further information.

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FEATURES

- Hermetic Pressure Ports
- Integral Electrical Connector
- Survives High Vibration
- $\pm 0.25\%$ Accuracy
- Water Resistant 1M Immersion

APPLICATIONS

- On and Off Highway Engines and Vehicles
- HVAC Refrigeration Controls
- Compressors
- Hydraulics
- Energy and Water Management

STANDARD RANGES

Range (psi)	Range (Bar)	Gage	Absolute	Sealed Gage
0 to 015	0 to 001	•		
0 to 030	0 to 002	•	•	•
0 to 050	0 to 3.5	•	•	•
0 to 100	0 to 007	•	•	•
0 to 150	0 to 010	•	•	•