

Product Data Sheet

iBar 800X



Gauge & Absolute Pressure Measurement

The iBar 800X series mono silicon pressure transmitter is high-performance with leading international technology. It has been meticulously designed using the world's most advanced mono-silicon pressure sensor and patent encapsulation technology.

The mono silicon pressure sensor is located on the top of the metal body and stays away from the medium interface to realize mechanical and thermal isolation. Glass sintering sensor wire realizes high strength electrical insulation of the metal base. All these original encapsulation technologies enable iBar 800X to cope with extreme chemical occasions easily and mechanical loads and own strong resistance to EMI, sufficient to respond to the most rigorous industrial environment applications.

Benefits

- ✓ Dual diaphragm overload structure can easily cope with high overload tests.
- ✓ 355° rotation display provides maximum flexibility.
- ✓ Accurate filling fluid technology eliminates effects of temperature and static pressure.
- ✓ High strength metal electrical protection housing meets the most rigorous environmental applications.
- ✓ Strong transient voltage resistance to protect terminal module.
- ✓ The three-button external menu function allows setup, calibration, and troubleshooting in the classified area.

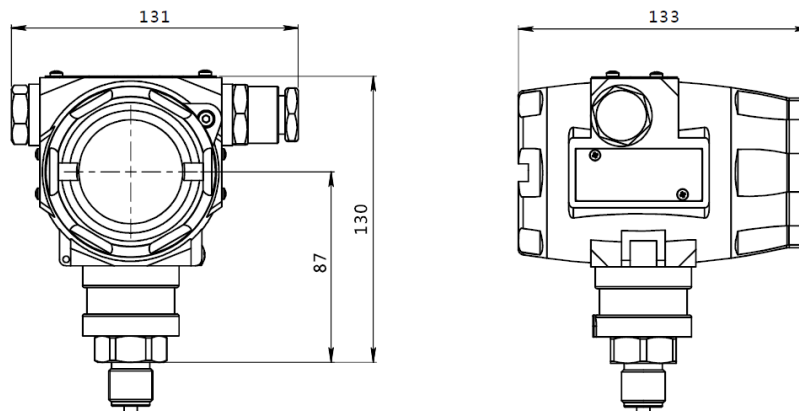
Applications

- ✓ Liquids
- ✓ Gases
- ✓ Aggressive Chemicals
- ✓ Vapours
- ✓ High temperature
- ✓ Hydrostatic Level
- ✓ Density

Technical Specifications

Measuring Range	2kPa-40MPa (.3psi...+5800psi)
Electrical Output	4...20mA (2-wire) 4...20mA+HART (2-wire)
Process Temperature	Silicon oil filling: -40...+120°C, higher temperature available
Accuracy	±0.1% FS, optional ±0.075% FS
Measuring Medium	Liquids, gases, steam, level, density
Stability	±0.2% URL/5 years
Power Supply	24VDC
Power Consumption	≤500mW@24VDC, 20.8mA
Ambient Temperature	-40...+85°C, integrated LCD display: -20...+70°C
Potection Class	IP 67
Process Connection	½” & ¼” NPT (M/F), Various flange sizes, tri-clamp version
Diaphragm Material	SS316, Hastelloy C, Tantalum, PTFE Cover
Approvals	CE, CSA Class I, II, III Div 1 (pending)

Product Drawing & dimensions (mm)



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