

8XH Series High-Accuracy Media-Isolated Pressure Sensors

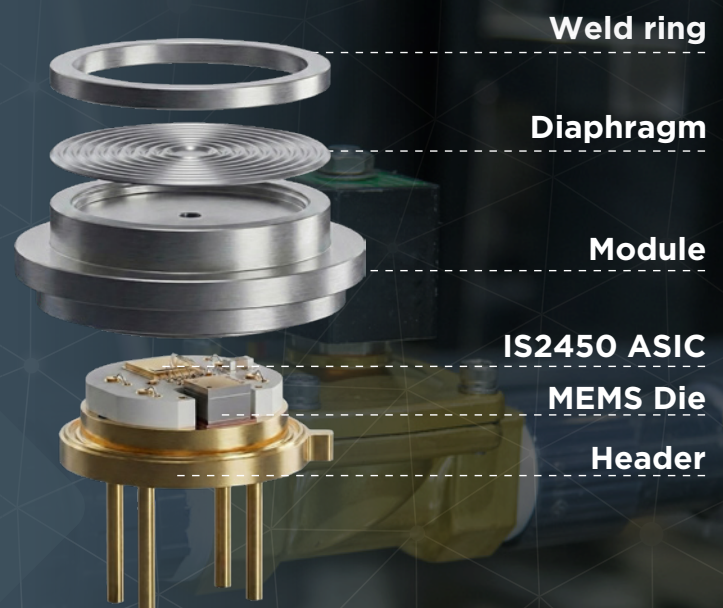
Precision Measurement,
Compact Design, Superior Performance

Key Features

- » High-accuracy pressure and temperature read-out for digital output capsule options: $\pm 0.1\%$ Span pressure accuracy, $\pm 0.3\%$ span total error band; $\pm 1^\circ\text{C}$ temperature accuracy
- » Wide temperature range: Compensated: -20°C to $+85^\circ\text{C}$; Operating: -40°C to $+125^\circ\text{C}$
- » Multiple output options: Digital I²C or Analog voltage (0.5 ~ 4.5 V)
- » Low power consumption ($< 3\text{ mA}$) and excellent EMC performance
- » Media Compatibility: Liquids and gases compatible with 316L stainless steel

How it works-Pressure Capsule

TE MEMS Piezo Resistive
Sensing Core + TE ASIC Inside



Applications

- Process automation
- Medical devices
- IoT OEM systems
- Analytical instruments



Core Advantages

- Integrated MEMS and ASIC, factory calibrated, ready to install
- Available in absolute, gage, and vacuum gage types
- Module diameters: 13 mm, 16 mm, 19 mm
- Overpressure protection: 3x rated or 2000 psi, whichever is less

Standard Pressure Ranges

- psi: 5 ~ 1500 psi
- bar: 1 ~ 100 bar (custom ranges available)

Installation & Connection

- Mounting: Weldable or O-ring seal
- Electrical connection: Pins, Ribbon cable, TE connector
- Output types: Digital (I²C), Analog (0.5 ~ 4.5 V)

Why Choose 8XH Series

- High accuracy and stability for harsh environments
- Compact design for easy integration
- Trusted global sensor technology
- For more information or to order: TE Connectivity Sensors | te.com/sensors

