INTRODUCING

8XH SERIES HIGH ACCURACY ISOLATED MEDIA PRESSURE CAPSULE SENSOR

- **Direct high accuracy digital P+T output or analogy output**
- **Product TEB +/-0.3% span**
- **High resolution and various pressure ranges and output options available**



The 8XH Series pressure sensor integrates a MEMS die, an ASIC chip and passive components within isolated oil cavity. Leveraging the MEMS die bridge resistance for both temperature and pressure measuring in the same oil temperature environment, it can provide the accurate on-site temperature signal required for compensation, achieve outstanding initial accuracy and excellent EMC performance.

APPLICATIONS

- Industrial process automation
- OEM IoT systems
- Semiconductor equipment
- Analytical equipment

ELECTRICAL

- <0.3mA power consumption, 2ms typical conversion time

MECHANICAL

- 13mm/16mm/19mm OD

MATERIALS

- 316L stainless steel

KEY BENEFITS

- Direct high accuracy digital or analog output
- Product TEB +/-0.3 span
- High resolution, various pressure ranges and output options available

MODELS IN THIS SERIES

- 85H | ø13mm Module diameter pressure capsule, standard recessed diaphragm, weldable
- 85FH | ø13mm Module diameter pressure capsule, flush diaphragm, O-ring mount
- 86H | ø16mm Module diameter pressure capsule, standard recessed diaphragm, O-ring mount
- 82H | ø19mm Module diameter pressure capsule, standard recessed diaphragm, O-ring mount

LEARN MORE

- 8XH Pressure Sensor Product datasheet
- 8XH Pressure Sensor Flyer
- 8XH Pressure Sensor Postcard
- 8XH Pressure Sensor Series Solution Guide

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