



HIPRES[®] HP1000H

Hydrogen High Pressure Transducer

- Compatible for use within hydrogen based environments
- Silicon-on-Sapphire sensor technology for outstanding performance
- Pressure ranges to 1,000 bar to 5,000 bar (72,500 psi)
- Pressure diaphragm and process connection is machined from one piece of Titanium with no seals or welds
- High resistance to overpressure and pressure transients
- ATEX/IECEx option available (includes M1 for mining applications) for 4-20 mA versions
- DNV-GL certification available



Materials used in the manufacture of the Hydrogen range have been tested based on ISO 11114-2:2017 in accordance to the European Regulations EC 79/2009 and EU 406/2010 to determine an "embrittlement index" of the material when placed in a saturated environment over an extended period of time.

Results have provided a Pass rating to the compatibility of the specialist Titanium Alloy of the range against Hydrogen.

