

KPERM™ PIEZO DOWNHOLE GAUGE



SKU: SP204-100-400

Categories: [Advanced Monitoring](#), [Downhole Gauges](#), [Downhole Instrumentation](#), [KPerm™](#), [Kuster®](#), [Well Monitoring](#)

PRODUCT DESCRIPTION

The KPerm™ Piezo-resistive permanent gauge delivers continuous pressure, temperature and vibration data to surface, delivered through the Surface Read Out system. It is based on field-proven permanent downhole gauge technology. The gauge is internally and externally EB welded and designed for maximum shock and vibration resistance to enhance reliability and performance.

Ratings & Dimensions

Max temperature	257°F (125°C) / 302°F (150°C)		
Pressure Range	3Kpsi, 5Kpsi 10Kpsi, 15Kpsi		
Outer diameter	0.75 in (19.05 mm)	0.9 in (22.86 mm)	1.19 in (30.23 mm)
Length	8.8 in (223.5 mm)	13.17 in (334.5 mm)	15.73 in (399.5 mm)
Weight	2.0 lbs.		
Materials	Nitronic 50 or Inconel 825		

Hardware Characteristics

Transducer type	Piezo resistive
Acquisition mode	SRO (Surface Read Out) Panel

Pressure Measurements

Pressure Range	1.5 Kpsi, 3Kpsi, 5Kpsi 10Kpsi, 15Kpsi
Sampling Rate	1 sps
Resolution	0.0003% F.S.
Accuracy	0.024% FS / 0.05% F.S.

Drift

< 3 psi / year

Temperature Measurements

Max temperature	257°F (125°C) / 302°F (150°C)
Resolution	0.005% F.S.
Accuracy	± 1°C

Electrical Specification

Data Output	Continuous data stream - MODBUS 485
Interface	KPerm SRO
Operating Voltage	24Vdc
Operating Current	12 - 34 mA

Version Control: 2021.12.14

On-line specifications are for REFERENCE ONLY and subject to change without notice. DO NOT USE FOR FIELD OPERATIONS.