

KPERM™ MULTI-DROP PIEZO DOWNHOLE GAUGE



SKU: MP203-030-406
Categories: [Advanced Monitoring](#), [Downhole Gauges](#), [Downhole Instrumentation](#), [KPerm™](#), [Kuster®](#), [Well Monitoring](#)

PRODUCT DESCRIPTION

Probe Multi-Drop Gauges are based on our field proven permanent piezo gauge technology. Up to 6 gauges can be run on a single TEC cable conductor. All gauges continuously provide accurate pressure and temperature data to surface, where it is displayed real-time via a single surface readout. The gauges are internally and externally E-beam welded, and designed for maximum shock and vibration resistance to enhance reliability and performance.

Ratings & Dimensions

Max temperature	257° (125°/ 302°F (150°C)
Pressure Range	3kpsi, 5kpsi, 10kpsi & 15kpsi
Outer diameter	1.19 in (30.2 mm)
Length	19.0 in (482 mm)
Weight	3.5 lbs (1.59 kgs)
Materials	Nitronic 50 or 718 Inconel NACE MRO 175

Hardware Characteristics

Transducer type	Piezo resistive
Acquisition mode	Surface Readout Panel (SRO)

Pressure Measurements

Pressure Range	3kpsi, 5kpsi, 10kpsi & 15kpsi
Sampling Rate	1 sps
Resolution	0.0003% F.S.
Accuracy	0.024% F.S. or 0.05% F.S.
Drift	< 3 psi / year



Temperature Measurements

Max temperature	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
Max Number of Gauges	6

Version Control: 2021.12.14

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