

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.