ONLINE TECHNICAL SPECIFICATION SHEET



KPERM™ QUARTZ DOWNHOLE GAUGE





SKU: SQ203-160-300

Categories: Advanced Monitoring, Downhole Gauges, Downhole

Instrumentation, KPerm[™], Kuster®, Well Monitoring

PRODUCT DESCRIPTION

The KPerm™ Quartz Permanent Downhole Gauge is a permanently installed inside the Probe's solid gauge mandrel. The permanent gauge delivers continuous high accuracy pressure and temperature data to surface where it is displayed real time via a surface readout. The gauge is internally and externally Ebeam welded and designed for maximum shock and vibration resistance to enhance the reliability and performance.

Ratings & Dimensions

Max temperature 302°F (150°C)

Pressure Range 5Kpsi; 10Kpsi; 16Kpsi; 20Kpsi

Outer diameter1.0 in (25.4 mm)Length30 in (762 mm)

Weight 4 lbs

Materials Nitronic 50 / Inconel 825/Hastelloy (NACE MRO 175)

Hardware Characteristics

Transducer type Digital quartz

Acquisition mode Surface Read Out (SRO panel)

Pressure Measurements

Pressure Range 5Kpsi; 10Kpsi; 16Kpsi; 20Kpsi

Sampling Rate1 spsResolution< 0.01 psi</th>

Accuracy 0.015% F.S. 5K and 10K 0.02% F.S 16K and 20K

Drift 0.02% F.S/Year

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Temperature Measurements

Max temperature Resolution Accuracy 302°F (150°C) 0.0018°F (0.001°C) ± 0.449°F (± 0.25°C)

Electrical Specification

Data Output Interface

Operating Voltage Current Continuous data stream - MODBUS 485

Surface Read Out (SRO panel) 24Vdc

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.