



PPS25-XM Critical Memory Gauge

By welding the sapphire sensor with the housing, the PPS25-XM is designed for critical well conditions, because this reduces the potential leaking that can pass between the sensor and the housing. Both metal to metal and elastomer seals are used to secure the seal between the battery housing and the electronics. A six pin locking mechanism connector is used to provide dual power channels and prevent battery disconnection during operations.

Specifications

Sensor Type	Silicon-Sapphire
Service	H ₂ S Services

Metrology-Pressure

Drift-psi/yr	<3
Accuracy-psi full scale	± 0.03%
Resolution-psi	0.0003%
Range-psi	Up to 25 kpsi

Metrology-Temperature

Rating-°C	150 (302°F), 177 (351°F)
Accuracy-°C	± 0.5
Resolution-°C	0.01

Characteristics

Power Source	One CC lithium pack
Communication	USB/RS232
Data Set	Time/Pressure/Temperature
Max OD-inches	1.27 (32.3mm)/1.5 (38.1mm)
Overall Length-inches	11.7 (297mm)
Housing Material	Inconel 718
Sampling Rate	1 sec to 18 hours per sample
Memory Capacity	1,000,000 data sets standard, Larger memory is available

APPLICATIONS:

- Pressure Build-up Tests
- Pressure Gradients
- Post Stimulation Evaluation
- Interference Tests
- Fracture Monitoring

