

PPS53 Side Pocket Mandrel Gauge

The PPS53 Side Pocket Mandrel Gauge utilizes our robust electronic design with silicon-sapphire technology to measure pressure and temperature by working as a gas lift valve. The gauge housings are designed according to conventional 1" and 1.5" gauge lift valves, therefore, they can be set and retrieved by using standard side pocket mandrel tools. These gauges use the very simple, but powerful PPS SmartView software for all programming and data retrieval.

APPLICATIONS:

- Stimulation Monitoring
- Long Term Flowing Monitoring
- Post Stimulation Evaluation
- Interference Tests
- Fracture Monitoring
- Water Injection Monitoring



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 15 kpsi

Metrology-Temperature

Rating-°C	125 (257°F), 150 (302°F), 177 (351°F)
Accuracy-°C	± 0.5
Resolution-°C	0.01

Characteristics

Power Source	1 AA lithium battery pack
Communication	USB/RS232
Data Set	Time/Pressure/Temperature
Max OD-inches	1.0 (24.5mm)/1.5 (38.1mm)
Overall Length-inches	12.31 (312.7mm)/19.5 (495.3mm)
Housing Material	Inconel 718/Stainless Steel 17-4
Sampling Rate	1 sec to 18 hours per sample
Memory Capacity	1,000,000 data sets Larger memory optional

