

PPS51 Short Memory Gauge

The PPS51 gauge is designed for applications with length limitations. The most common usage is for building this gauge into other downhole tools, such as water injection and plunger lift equipment. It is also used for general pressure surveys for gradient or build up tests. The gauge length is only 4.8 inches, including one half AA lithium battery pack. The same user-friendly SmartView software is used for programming, downloading and processing data.

APPLICATIONS:

- Stimulation Monitoring
- Pipeline Monitoring
- Fracture Monitoring
- Injection Pressure Monitoring
- Perforation Monitoring
- Workover 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	150 (302°F)
Accuracy-°C	± 0.5
Resolution-°C	0.01

Characteristics

Power Source	1 1/2 AA battery packs
Communication	USB/RS232
Data Set	Time/Pressure/Temperature
Max OD-inches	0.75 (19.1mm)
Overall Length-inches	4.8 (122mm)
Housing Material	Inconel 718/Stainless Steel 17-4
Sampling Rate	1 sec to 18 hours per sample
Memory Capacity	1,000,000 data sets



Approximation of actual size of the gauge.

