

PPS53 Side Pocket Mandrel Memory Gauge

The PPS53 Side Pocket Mandrel Memory Gauge (SPMG) utilizes a robust electronic design with silicon-sapphire technology to measure pressure and temperature after being set within the mandrel using standard slickline procedures. The gauge can be set and retrieved by using standard side pocket mandrel tools. These gauges use the simple and powerful PPS SmartView software for all programming and data retrieval, whether done in the field or in the office.



Sensor Type

Silicon Sapphire

Applications:

Pressure

Range—psi	Up to 10 kpsi
Accuracy—psi	± 0.03% FS
Resolution—psi	0.0003% FS
Drift—psi/year	<3

- Gas Lift Optimization and Memory Gauge Application

Temperature

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

Characteristics

Service	Sour Services
Power Source	Lithium Battery Pack
Communication	USB / RS232
Data Set	Time / Pressure / Temperature
Max OD—inches	1.0 (24.5 mm)
Overall Length—inches	12 (300 mm)
Housing Material	Inconel 718
Sampling Rate	1 sec. to 18 hours per sample
Memory Capacity	2,000,000 data sets

