

PPS25 Silicon-Sapphire Memory Gauge

The **PPS25 Silicon-Sapphire Memory Gauge** measures bottom hole pressures and temperatures helping to evaluate productivity during many phases of well development including drilling, evaluation and production. One of the key advantages of the PPS25 is how easy it is to use from start to finish including programming, running a job and gauge maintenance. The SmartView software has a very user friendly interface, so operators can feel confident running the gauges and retrieving data. Also once the gauge is programmed with the desired sampling rates and durations, jobs can be run consecutively without needing to reprogram the gauge, saving time on site.



Sensor Type

Silicon-Sapphire

Pressure

Range—psi	1.5K 3K 6K 10K 15K
Accuracy—psi	± 0.03% FS
Resolution—psi	0.0003% FS
Drift—psi/year	<3

Temperature

Rating—°C	85 (185 °F) 125 (257 °F) 150 (302 °F) 177 (350 °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	0.75 (19 mm) 1.25 (32 mm)
Overall Length—inches	9.8 (248 mm) 10.8 (274 mm)
Housing Material	Inconel 718 Stainless Steel 17-4
Sampling Rate	1 sec to 18 hours per sample
Memory Capacity	2,000,000 data sets (4- 8- 16-million data sets optional)

Applications:

- Pressure Build-up Tests
- Production Tests
- Pressure Gradients
- Pre/During/Post Stimulation Evaluation
- Interference Tests
- Fracturing Monitoring
- Injection Pressure Monitoring
- Coil Tubing Well Stimulation

