

PPS56 Perforation Memory Gauge

The PPS56 Ultra-Fast Sampling Perforation Gauge utilizes PPS's robust electronic design with silicon on insulator technology to capture fast sampling burst rates from 7,200 to 115,200 samples per second (pressure only). This fast sampling gauge has a large two million data set memory which gives the user the capability to set and capture critical events in two ways:

- **Pressure Level – Fast sampling triggered at a desired pressure level point**
- **Window Level – Fast sampling triggered at a desired pressure amount over a set time period**

The PerfView software was designed specifically for the perforation gauge and can be used for all programming and data retrieval. The PPS56 gauge makes a perfect tool for various applications requiring fast and accurate burst sampling up to 30kpsi.



Sensor Type

Piezo

Applications:

Pressure

- **Perforation Monitoring**
- **Stimulation Monitoring**
- **Injection Pressure Monitoring**

Range—psi	20 kpsi
Accuracy—psi	± 0.03% FS
Resolution—psi	0.0003% FS
Drift—psi/year	<3

Temperature

Rating—°C	150 (302°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	1.27 (32 mm)
Overall Length—inches	18.625 (473 mm)
Housing Material	Inconel 718
Fast Sampling Burst Rate	7,200 samples/sec to 115,200 samples/sec (applies to pressure only)
Regular Sampling Rate	1 sec to 18 hrs per sample
Memory Capacity	2,000,000 data sets

