

PPS28 NEO Quartz Memory Gauge

The **PPS28 NEO Quartz Memory Gauge** is the latest innovation by PPS. This gauge provides a Smart battery, easy low maintenance handling and programming that can be managed through the PPS Surface Controller or an Android smartphone. The Smart battery has built-in capacity monitoring and is combined with a robust battery connection to ensure maximum shock and vibration resistance. On site the Surface Controller is a standalone device, which connects to a computer through USB or smartphone through Bluetooth. Users can then view gauge diagnostics, depassivate batteries and start or stop logging. PPS has also created an Android smartphone app that can be used to configure the gauge via Bluetooth for added convenience.



Sensor Type

Quartz

Pressure

Range–psi	10K 16K 20K 25K
Accuracy–psi	± 0.02%
Resolution–psi	<0.01
Drift–psi/year	<0.02% FS

Temperature

Rating–°C	150 (302 °F) 177 (350 °F)
Accuracy–°C	± 0.2
Resolution–°C	<0.005

Characteristics

Service	Sour Services
Power Source	Intelligent Lithium Battery Pack
Communication	USB / RS232 / Bluetooth
Data Set	Time / Pressure / Temperature
Max OD–inches	1.27 (32.3 mm)
Overall Length–inches	26.47 (672 mm)
Housing Material	Inconel 718 Stainless Steel 17-4 MP35N
Sampling Rate	0.1 sec to 1.8 hours per sample
Memory Capacity	4,000,000 data sets

Surface Controller

Display	OLED 128 x 32
Power	Lithium-Polymer rechargeable battery 3.6V
Communication	USB, Bluetooth
Temperature–°C	-20 (-4 °F) to 70 (158 °F)
Dimension–inches	5.8" x 4.2" x 1.9"

Applications:

- Pressure Build-up Tests
- Pressure Gradients
- Pre/During/Post Stimulation Evaluation
- Interference Tests
- Fracturing Monitoring
- Drill Stem Tests

PPS28-Neo Specifications (Rev. 01, 2017-09-22)

