

PPS28-NEO Quartz Memory Gauge

The **PPS28-NEO Quartz Memory Gauge** is the latest innovation by PPS. This gauge provides an intelligent battery, easy low maintenance handling and on-site programming and diagnostics that can be managed through a Surface Controller or Android phone. The intelligent battery has built-in capacity monitoring and is combined with a robust battery connection to ensure maximum shock and vibration resistance. On-site the gauge's Surface Controller is a standalone device, which connects through USB or Bluetooth, for users to perform field diagnostics, battery depassivation and start and 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 full scale	± 0.02%
Resolution-psi	<0.01
Drift-psi/year	<0.02% FS

Temperature

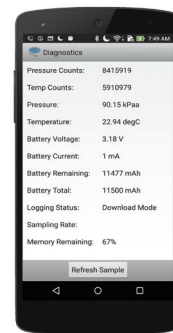
Rating-°C	150 (302 °F) 177 (350 °F)
Accuracy-°C	± 0.2
Resolution-°C	<0.005

Characteristics

Service	H ₂ S Services
Power Source	Intelligent Lithium Battery Pack
Communication	USB / RS232 / Bluetooth
Data Set	Time / Pressure / Temperature
Max OD-inches	1.27 (32 mm)
Overall Length-inches	26 (660 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
- Interference Tests
- Injection Pressure Monitoring
- Drill Stem Tests
- Production Tests
- Pre/During/Post Stimulation Evaluation
- Fracturing Monitoring



PPS28-Neo Specifications (Rev. 00, 2017-07-24)