PPS28-225°C High Temperature Quartz Gauge

The **PPS28-225°C High Temperature Quartz Gauge** is designed for sour service, high pressure, high temperature downhole environments. Constructed with the best technologies available these gauges are rated up to 30,000 psi and 225°C (437°F), and deliver precise accuracy and resolution to detect the smallest differences in the downhole conditions.

### Sensor Type

- **Quartz**

### Pressure

- **Range—psi**: 16K | 20K | 25K | 30K
- **Accuracy—psi**: ±0.035% FS
- **Resolution—psi**: <0.01
- **Drift—psi/year**: <0.06% FS psi/Year at max. pressure and temperature

### Temperature

- **Rating—°C**: 225 (437 °F)
- **Accuracy—°C**: ±0.5°C, ±0.2°C (Typical)
- **Resolution—°C**: <0.005

### Characteristics

- **Service**: Sour Services
- **Power Source**: Lithium Battery Pack
- **Communication**: USB / RS232
- **Data Set**: Time / Pressure / Temperature
- **Max OD—inches**: 1.375 (34 mm)
- **Overall Length—inches**: 31.5” (800 mm) | 41.5” (1054 mm)
- **Housing Material**: Inconel 718 | MP35N
- **Sampling Rate**: 1s – 18hrs/per sample (0.1s – 1.8hrs/per sample optional)
- **Memory Capacity**: 500,000 data sets (1 million datasets optional)

**PPS28-225C Specifications (Rev. 00, 2016-09-27, Initial)**

### Applications:

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