

# PRESSURE/TEMPERATURE GAUGE



A fully autonomous miniature pressure and temperature gauge is designed to precisely measure downhole pressure and temperature standalone as well as part of tool string or an integral part of BHA.

## Applications

- Downhole pressure and temperature measurement
- As part of CTU application with gauge carrier
- Permanent installation along with AL system
- Gradient survey

## Advantages

- Improved pressure probe accuracy
- Compact design
- Versatile and cost-effective solution



## Tool Specifications

Pressure gauge type	Sapphire (Keller)
Pressure gauge resolution	0.014 PSI
Pressure gauge accuracy	0.0009%
Maximum operating pressure	14,500 PSI (100 MPa)
Temperature gauge type	Platinum/Exposed
Temperature gauge resolution	0.003°C
Temperature gauge accuracy	± 0.01°C
Maximum operating temperature	150°C (302°F)
Tool OD	0.78 in (20 mm)
Tool length	12.8 in (330 mm)
Tool weight	4.4 lbs (2.0 kg)
Memory capacity	33,554,432 data points
H <sub>2</sub> S resistance	6% standard (25% optional)
Operational time	388 days (1 sec sample rate)
Sampling rate	0.25-125.0 sec
Built-in memory	128 Mb
Surface read-out / Memory	Fully autonomous (memory mode)