

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	0.59 in (15 mm)
Tool length	10.7 in (273 mm)
Tool weight	0.6 lbs (0.25 kg)
Memory capacity	4,325,376 data points
H ₂ S resistance	6% standard (25% optional)
Operational time	388 days (1 sec sample rate)
Sampling rate	0.25-125.0 sec
Built-in memory	16 Mb
Surface read-out / Memory	Fully autonomous (memory mode)