
Downhole and surface pressure / Temperature gauges and instruments

Recording of downhole and surface pressure is an integral part of Well testing. A type of gauge to be used depends on well conditions, duration, imperative to have noticeable data during a test, required accuracy and possibly some other parameters.

Gauges in Well testing service can be divided on:

- Mechanical pressure and temperature gauges for pressures up to 20 000 PSI and up to 200 °C used mostly for long term tests in extreme temperature and pressure conditions disadvantageous for electronic instruments.
- Electronic memory pressure and temperature gauges (EMR) for pressures up to 15000 PSI and temperatures up to 200 °C, with memory capable to collect up to 1.4 million data points.
- Electronic surface read out (SRO) pressure and temperature gauges for pressures up to 16000 PSI and temperatures up to 177 °C enabling direct surveillance of bottomhole / surface parameters.
- As an auxiliary device, service has SRO Data Acquisition system for monoconductor cable surveys enabling gathering data from tubing pressure, flow line temperature, downhole pressure and downhole temperature.