

Electronic Memory Gauges

Expro Electronic Memory Gauges – EMR, are used to record downhole pressure and temperature and are powered by lithium battery packs.



Applications:

Applications include;

- DST
- Flowing and PBU surveys
- Gradient Surveys
- RIY gauge surveys
- Long term surveys

Features and Benefits:

Expro has established a global reputation for reliably providing reservoir pressure and temperature data of the highest integrity.

Expro's inventory of electronic memory gauges provides a class-leading product range including HPHT and long duration for extended surveys.

Electronic memory gauge consists of a field replaceable modular electronic memory section. This includes an optional ceramic hybrid module for increased reliability for long durations at high temperatures.

A commitment to quality assurance and the application of stringent maintenance and calibration processes form the foundation upon which Expro's success has been built.

- Digital Quartz transducers for accuracy and resolution
- Large memory capacity and fast sample rates
- Compact, rugged design
- Versatile programming
- Rapid data upload
- HPHT capacity
- Onboard diagnostics

Production Monitoring



Criteria	Specification			
Type	PT1000	CT1000	MT100	HT1000
Sensor	Piezo Resistor	Shear Quartz	Digital Shear Quartz	Digital Shear Quartz
Pressure	10000 psi	16000 psi	16000 psi	20000 psi
Accuracy	± 5 psi	± 3.2 psi	± 3.2 psi	± 3.2 psi
Resolution	< 0.03 psi	< 0.008 psi	< 0.008 psi	< 0.008 psi
Stability (per month)	0.25 psi	0.1 psi	0.1 psi	0.1 psi
Repeatability	± 2.0 psi	< 1.6 psi	< 1.6 psi	< 2.0 psi
Temperature	302 °F	350 °F	350 °F	392 °F
Accuracy	± 0.56 °F	± 0.27 °F	± 0.27 °F	± 0.27 °F
Resolution	< 0.003 °F	< 0.003 °F	< 0.003 °F	< 0.003 °F
Repeatability	± 0.35 °F	< 0.02 °F	< 0.02 °F	< 0.02 °F
Memory Capacity (Data sets)	500 ,000	1,000,000	1,000,000	4,000,000
Fastest Sample Rate	1 sec	1 sec	1 sec	0.1 sec
Programmable intervals	15	15	15	15
Length	8 ins	60 ins	30.5 ins	30.5 ins
OD	0.75 ins	1.25 or 1.5 ins	1.25 ins	1.25 ins
Weight	4 lbs	12 lbs	11 lbs	11 lbs