

Memory Gauges



Description

All memory gauges are battery powered stand alone pressure temperature recorders. Gauge selection is tailored to specific operational objectives and can cover a wide range of operating parameters.

These gauges are robust and can be run in a gauge carrier, slickline, wireline, coil tubing or landed in a tubular hanger.

Battery power and set parameters allow months of data acquisition per run. Set up parameters also allow for varying sample rates for specific time intervals.

Suitable for perforating and testing operations in hostile environments including H₂S, CO₂ and acid.

Operating Specification

GAUGE TYPE	QM QUARTZ	SLIMLINE	SLIMLINE	SLIMLINE
OD in. PRESSURE	0.75 or 1.25	0.75 or 0.875	0.75	0.5
Max. External	20,000 psi	10,000 and 20,000 psi	25,000 psi	25,000 psi
Sensor Type	Quartz	Piezo-Resistive	Piezo-Resistive	Piezo-Resistive
Accuracy	+/-0.02% full scale	+/-0.05% full scale	+/-0.05% full scale	+/-0.05% full scale
Stability	0.015% full scale	0.1% full scale	0.1% full scale	0.1% full scale
Drift	0.02% full scale/yr.	<3 psi/yr.	<3 psi/yr.	<3 psi/yr.
Resolution	<0.0085 psi/sec	<0.0003% full scale	<0.0003% full scale	<0.0003% full scale
TEMPERATURE				
Max. Temperature	200° C	120, 150, and 175° C	175° C	175° C
Accuracy	+/- 0.15° C	+/- 1.0° C	+/- 1.0° C	+/- 1.0° C
Repeatability	<0.001° C	+/- 0.2° C	+/- 0.2° C	+/- 0.2° C
Resolution	<0.001° C	0.0001% full scale	0.0001% full scale	0.0001% full scale
POWER				
Battery Type	2 CC Lithium	AA cell Lithium	AA cell Lithium	AAA cell Lithium
Operating Voltage	3.2 -3.6 V	3.2 -4.5 V	3.2 -3.9 V	3.2 -3.9 V
MEMORY MODE	1 sec. to 1 hr.	1 sec. to 1 hr.	1 sec. to 1 hr.	1 sec. to 1 hr.
Sampling Interval	500,000/1,000,00 data sets	500,000 data sets	500,000 data sets	500,000 data sets
CAPACITY DATA SET	Time, pressure, temperature	Time, pressure, temperature	Time, pressure, temperature	Time, pressure, temperature

