

ISO 9001 Certified



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zPas-10 Quartz Memory Gauge

The zPas-10M Quartz Memory Gauge is based on quartz resonator for pressure readings and features platinum resistivity for temperature readings. Together with high precision electronics it provides high accuracy, high resolution and very low drift to ensure the specified accuracy for more than a year. Quartz gauges are very useful for high-quality buildup tests in gas producers and high-precision cross-well interference tests in oil and gas reservoirs.



APPLICATIONS:

- Pressure Buildup Tests
- Pressure Drawdown Tests
- High Resolution Static Gradients Survey
- High Resolution Interference Tests
- Drill Stem Tests
- Fracturing Monitoring

SPECIFICATIONS

SENSOR TYPE	QUARTZ zPas-10M-60	QUARTZ zPas-10M-100
MEASUREMENTS		
Pressure rating	0 ... 60 MPa (8702 psi)	0 ... 100 MPa (14,503.8 psi)
Pressure accuracy	±0.015 % FS	±0.015 % FS
Pressure resolution	10 Pa (0.0014 psi)	10 Pa (0.0014 psi)
Pressure drift / year	0.018 % FS	0.018 % FS
Temperature rating	0 ... 150 °C (0 ... 302 °F)	0 ... 150 °C (0 ... 302 °F)
Temperature accuracy	± 0.2 °C (± 0.36 °F)	± 0.2 °C (± 0.36 °F)
Temperature resolution	< 0.001 °C (< 0.002 °F)	< 0.001 °C (< 0.002 °F)
SAMPLING		
Max sampling rate	1 – 3,600 s	1 – 3,600 s
Memory capacity	8,000,000 samples	8,000,000 samples
Continuous operation time	Up to 250 days depending on the battery type and sampling rate	Up to 250 days depending on the battery type and sampling rate
BATTERIES		
Battery type	Lithium	Lithium
Standard size	ER17500 ER17505 ER14505S ER18505	ER17500 ER17505 ER14505S ER18505
Battery voltage	3.6 V	3.6 V
DIMENSIONS		
OD	28 mm (1.1 in)	28 mm (1.1 in)
Length	391 mm (15.4 in)	391 mm (15.4 in)
Weight	0.8 kg (1.75 lb)	0.8 kg (1.75 lb)
Connecting thread	M22x1.5	M22x1.5
HOUSING		
Housing material	Titanium	Inconel
Waterproof standard	IP68	IP68
H2S resistant	Up to 30 %	Up to 30 %
USER INTERFACE		
Communication Protocol	USB 2.0	USB 2.0
Software	zPort 3.0	zPort 3.0