

ISO 9001 Certified



e-mail: sales@zetscan.com
tel.: +7 927 427-89-24



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

| SENSOR TYPE | QUARTZ zPas-10M-60 | QUARTZ zPas-10M-100 |
|---------------------------|--|--|
| MEASUREMENTS | | |
| Pressure rating | 0.1 ... 60 MPa (8702 psi) | 0.1 ... 102 MPa (15,000 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 | | |
| Sampling rate | 1 – 3,600 s/per sample | 1 – 3,600 s/per sample |
| Memory capacity | 8,000,000 samples | 8,000,000 samples |
| Continuous operation time | Up to 250 days depending on the battery capacity and sampling rate | Up to 250 days depending on the battery capacity and sampling rate |
| BATTERIES | | |
| Battery type | Lithium thionyl chloride | Lithium thionyl chloride |
| 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 | 410 mm (16.14 in) | 410 mm (16.14 in) |
| Weight | 1.2 kg (2.65 lb) | 1.2 kg (2.65 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 | zPort |