

Quartz QM 200

- Canada Tech's flagship memory tool

The Quartz QM 200 is ideal for high temperature environments and provides exceptional data quality. Using state-of-the-art digital hybrid technology, each sensor circuit is fully contained in a hermetic package for operation up to 200°C.

Exceptional data accuracy and resolution ▶



Why the Quartz QM 200?

- High temperature solution
- Field replaceable memory modules
- Highest data quality in market
- Can be converted to SRO (Surface Readout) mode
- Redundant and sequential memory mode operation – saves data into two memory banks, securing data or doubling memory capabilities for long-term jobs
- Can run multiple short-term tests without downloading memory.
- Fits into standard downhole carriers



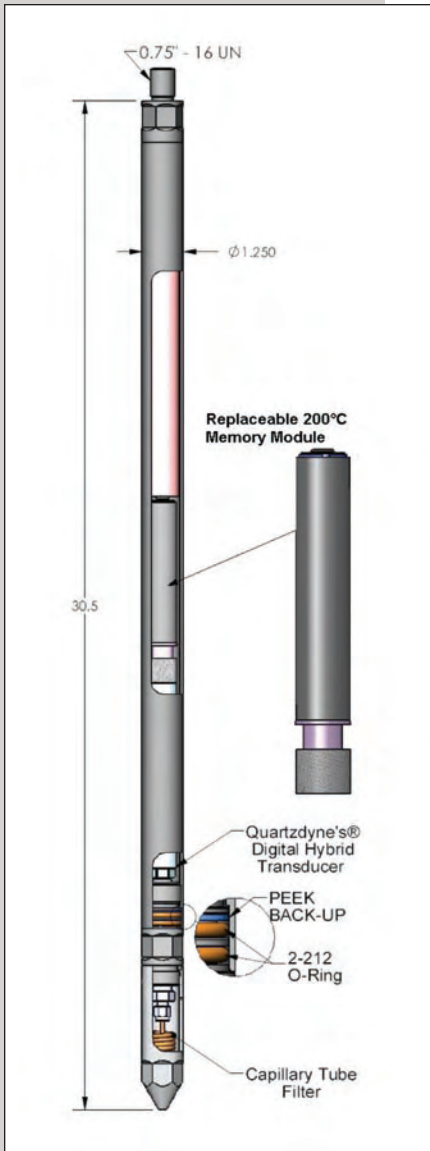
Standard Memory Tool Applications

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| • Drill stem test | • Pressure build-up tests |
| • Frac monitoring | • Pressure draw down tests |
| • Gradient surveys | • Production monitoring and artificial lift control |
| • H ₂ S and CO ₂ corrosive environments | • Production optimization |
| • Injection pressure monitoring | • Reservoir evaluation and well testing |
| • Interference test | • Slickline and E-Line operations |
| • Multiple well surveys without reprogramming | • Static, flowing and build-up surveys |
| • Perforation monitoring | • Stimulation monitoring |
| • Post stimulation evaluation | |

Specific Applications

- High Temperature environments up to 200°C
- Testing requirements demanding extreme accuracy

Quartz QM 200 Specifications 0.75" or 1.25" OD



PRESSURE

Maximum external pressure	20 ksi
Sensor type	Quartz
Accuracy	± 0.02% full scale
Long-term stability	0.015% full scale
Drift	0.02% full scale per year
Resolution	< 0.008 % psi/sec.

TEMPERATURE

Maximum temperature	200°C
Accuracy	± 0.15°C
Repeatability	< 0.01°C
Resolution	< 0.01°C per second

POWER

Battery type	2 CC Lithium
Operating voltage	3.2 to 3.6 V

MEMORY

Sampling interval	One second to one hour
Capacity	1,000,000 samples in sequential mode or 500,000 in redundant memory mode
Record contents	Time, pressure, temperature