



**Reservoir Group’s QM200M slim memory gauge delivers accurate data in extreme environments.**



It utilizes a Quartzdyne transducer that features their digital hybrid technology which provides exceptional data quality up to 25 ksi /172 MPa. The gauge features a field replaceable memory module allowing for rapid changing of the gauge’s electronics to allow almost uninterrupted use when required for multiple runs. Quadruple memory chip redundancy and a large 4 million dataset memory module reduces the risk of data loss on long jobs. Flexible programming parameters provide customizable sample-rate speeds and variety of start-up trigger conditions in order help conserve battery life. The gauge is robust, the Inconel housing and optional Metal C-Seal helps combat corrosion effects associated with use in hostile wells.

Reservoir Group provides a range of spring mounted shock housings/ carriers and tubing conveyed carriers. For deploying the QM200M gauge as standard. Custom designed carriers suited to any application are available.

Features	Benefits
Up to 25ksi and 150°C	Works in a large variety of applications
Optional Metal C-Seal	Superior environmental resistance and high-pressure capabilities
Field replaceable memory modules	Quick job turn around
4 million data point memory with 4 times redundancy	Capable of performing long jobs, reduce risk of data loss, greater reliability
High compacity battery	Perform longer jobs with a higher sampling rate

**QM200M**  
**for Demanding**  
**Applications**

- Hostile well, H<sub>2</sub>S and CO<sub>2</sub> corrosive environments
- Gradient survey
- Interface test

- Pressure build-up or draw-down test
- Production optimisation
- Slickline operations

- Reservoir evaluation, well testing and drill stem testing
- Static, flowing and build-up surveys

# Technical Specifications

The QM200S measures pressure and temperature and includes Omega Well's replaceable 200°C memory module. With a 0.75" OD, it can be run in applications not available to the original QM200. By being smaller, the QM200S has a faster response. The QM200S improves on the QM200 design by incorporating a locking connector and dual PEEK back-ups.

Pressure	
Maximum external pressure	Must not exceed sensor range or 25 KSI max
Sensor range	5 options from 5 KSI to 25 KSI
Sensor type	Quartz Resonator
Accuracy	± 0.02% of Max Pressure Rating
Accuracy Typical	±0.01% of Max Pressure Rating
Resolution	0.1 psi
Temperature	
Maximum temperature	Must not exceed 150°C
Operating range	0° to 150°C
Accuracy	±1.0°C
Accuracy typical	±0.5°C
Resolution	0.01°C
Power	
Battery type	Lithium
Operating voltage	3.6 to 3.9 V
Battery Life*	Up to 1 year
Memory	
Sampling capacity	0.1sec to 24 Hours, Auto Trigger Capacity
Capacity	4,000,000 data sets, 4 times redundancy
Record contents	Real time, pressure, temperature
Other	
Material	Inconel 718
Service	Standard and H <sub>2</sub> S

\* Battery life varies with operating temperature and sampling rate.

