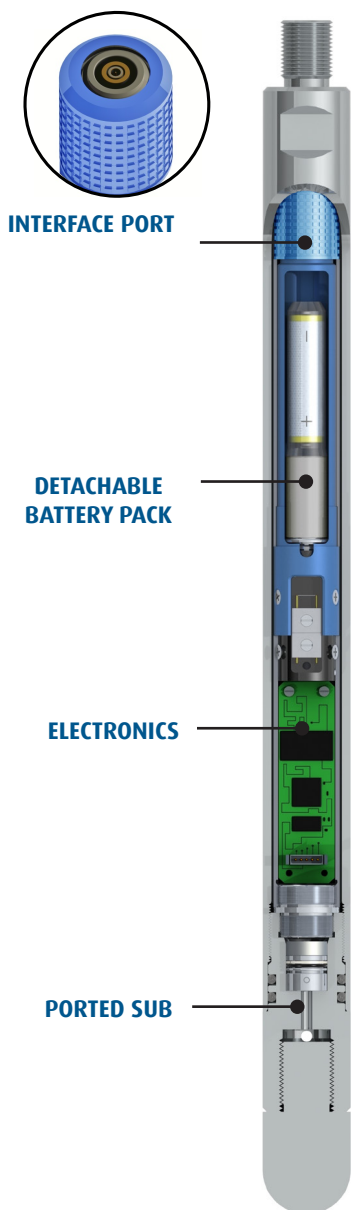




**Reservoir Group's Apex gauge excels in remote operations - fully automated, Apex requires no operator input to accurately record downhole pressures and temperatures.**

The gauge is supplied in monitor mode, testing sensor readings every two minutes and automatically starts recording to memory if user-programmed thresholds are exceeded. Data is time-stamped and stored in memory at a programmed sample rate. At the end of the survey, the gauge stops automatically when the readings fall below set thresholds.

For easy shipping, the Battery Pack is classed as non-dangerous goods. The Battery Pack is detachable and can be changed by the operator without special tools, so it's ideal for use in remote locations. The gauge incorporates a removable switch that, when removed, prevents inadvertent recording while being stored in warmer conditions where programmed thresholds may be exceeded.



Features	Benefits
Fully automatic	Ideal for remote operation because no operator input is needed to record data
All data is stored with real-time values	Enables quick and easy analysis
Large data set memory (4,000,000)	Provides long duration recording at fast sample rates
Innovative electronics	Dramatically reduces power consumption
Simple battery pack change	Great for remote locations

**Apex**  
**for Demanding**  
**Applications**

- Pressure build-up or draw-down tests
- Production surveys
- Gradient surveys
- Gauge carrier operations
- Slickline operations
- Reservoir evaluation and well testing
- Frac monitoring
- Stimulation monitoring
- Temperature logging

# Technical Specifications

Pressure	
Maximum external pressure	Must not exceed sensor range or 15 ksi max
Sensor range	2 options, 8.6 ksi and 15 ksi
Sensor type	Piezo-resistive
Accuracy	±0.06% FSO
Drift	±0.04% FSO
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	0.05°C
Power	
Battery type	AA lithium
Operating voltage	3.6 to 3.9 V
Battery Life*	Better than 1 year
Memory	
Sampling capacity	1 to 600 seconds
Capacity	4,000,000 data sets
Record contents	Real time, pressure, temperature
Other	
Material	SS 17-4 PH, Sub K500 Monel
Service	Standard and H <sub>2</sub> S

\* Battery life varies with temperature and sampling interval

