

Press Release

Geophysical Research Company, LLC Announces the Integra QMR – A New & Improved Quartz Memory Recorder

Tulsa, Oklahoma - September 18, 2006, Geophysical Research Company, LLC is very pleased to announce its new quartz memory pressure/temperature gauge - the ***Integra QMR*** – representing the culmination of over one and a half years of research and development. The state-of-the-art crystal-controlled oscillator technology creates a gauge with the lowest operating cost due to its enhanced reliability, greater memory capacity, **and most importantly, elimination of recalibration.** “This will truly be a gauge of value to the oil and gas industry”, states Rob Adkison GRC’s Vice President of Sales and Marketing.

The design of the *Integra QMR* is attracting worldwide attention as GRC prepares for an influx of requests from customers who are excited about eliminating the need to recalibrate gauges. This elimination translates directly into large cost savings since an operator will no longer have to trip out of the hole to recalibrate a gauge. VP of Engineering, Richard Kriege, explains why the QMR transducer is so reliable. “The sensing portion of the quartz transducer is a resonating quartz crystal. This crystal is placed in an electronic circuit in such a manner that it controls the oscillator circuitry (crystal-controlled oscillator). Since the resonant frequency of the quartz transducer is dependent on the resonant frequency of its crystal, and the quartz frequency is extremely stable with time, (2 psi /yr), the gauges do not require recalibration under normal use. In this way, GRC has designed the circuits to be dependent only on the resonant frequency of the quartz crystal and not on the components within the circuit board itself.” He goes on to state, “Of course if damages occur to the quartz crystal or the electronics that control the voltage to the crystal oscillator circuit, it would require recalibration, like any other gauge.”

GRC’s design team of engineers knew they had a winner after choosing the crystal-controlled oscillator over the oscillator-controlled crystal. Combining this technology with GRC’s already tried and true in-house built quartz transducer makes the *Integra QMR* the only quartz memory pressure/temperature gauge completely manufactured by one company. This advantage gives GRC the leading edge in process control and hence exceptional performance.

Due to the superiority of the quartz transducer, the accuracy (0.02% at full-scale) and resolution (0.0005 psi) of the gauge give the operator the most precise, absolute pressure reading on the market. The functionality, benefits and user-friendly software also make the *Integra QMR* the most reliable, economical gauge on the market, able to record downhole temperature and pressure data as frequently as every second.

“We are excited about the *Integra QMR* product launch.”, says GRC’s president and CEO, Robert Laird. “This proprietary design represents the execution of our customer focused strategy of continuous improvement in quality, reliability, service. The *Integra* product line provides our customers with the best total solution at the lowest cost. With the *Integra QMR* we are confident our customers will experience our strong commitment to their success.”

Geophysical Research Company, LLC is again at the forefront of technology by announcing a new crystal-controlled oscillator that increases reliability and eliminates re-calibration. The *Integra QMR* quartz memory pressure/temperature gauge is available for both low and high temperature applications and can be ordered by contacting your local GRC sales representative, service center or headquarters at sales@grcamerada.com.

About Geophysical Research Company, LLC

GRC is an 80-year-old established technology company, manufacturing gauges that measure pressure and temperature data for the oil and gas industry. They hold many patents in the pressure gauge business and are the leader in technological breakthroughs. From the first bourdon tube pressure sensor (Amerada Gauge) to the current quartz pressure sensor (Integra QMR), they have provided the world with reliable, dependable, and accurate gauges that help engineers optimize and increase reservoir production. GRC has always been flexible to meet customers' needs, resulting in gauges that have become the world-wide industry standard.