

PRESS RELEASE

New 6-DoF Inertial Measurement Systems are Fully Programmable and Self-Contained

Akron, OH, April 30, 2008 - Summit Instruments, Inc. introduces the 65210E and 65210ES, two new 6-Degree-of-Freedom Inertial Measurement Systems available for order immediately.

Either unit can include internally three rate gyros, three accelerometers, IRIG PCM encoder, rechargeable Li-Ion battery, health sensors, and FM transmitter in an easy-to-install, self-contained, rugged package. High sensor accuracy and precision, as well as the ability to withstand 100 g while powered, are key features of both products

The 65210ES is an enhanced follow-on product that replaces the 65210A. The unit has additional data delay capability for use when deploying from internal aircraft locations and increased operating times.

The 65210E is customizable and allows for expansion to measure external sensors and signals via the installation of plug-in signal conditioning modules (SCM's). A variety of signal conditioning modules are available to accommodate a large variety of external sensor and signal inputs.

Summit Instruments' Windows-based software package Instrument Configuration Utility (ICU) provides complete customization of the data output as well as control over scaling of the internal sensors and calibration of the unit.

Features of the built-in telemetry include a programmable IRIG-106 PCM encoder and automatically generated TMATS files. Additionally the user can set the frequency of the internal multi-channel transmitter to required S-Band frequencies.

The unit is designed to operate over the entire -40°C to $+85^{\circ}\text{C}$ temperature range and can be installed in a standard MK80 series fuze well in 20 minutes or less. The standard unit can measure acceleration up to ± 50 g, rates up to $\pm 1200^{\circ}/\text{sec}$. Customization allows for different maximum sensor operating ranges. The 65210E and 65210ES come with a 12-month warranty.

Summit Instruments, Inc. is a manufacturer of both digital and analog accelerometers and rate gyros. Summit Instruments products are suitable for aerospace, military, automotive, and academic research applications.

For more information including price quotes, additional product lines, and optional accessories contact:

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