



Trimble Provides Seismic Vault-Quality Data in a Lightweight and Compact Sensor

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Trimble's REF TEK Colt Helps Scientists Understand How the Earth Moves

WASHINGTON, Dec. 10, 2018 /PRNewswire/ -- Trimble (NASDAQ: TRMB) introduced today the portable REF TEK® Colt™ broadband seismometer that provides high-quality data for scientists and academics using seismic networks to conduct earth movement studies.

The announcement was made at the American Geophysical Union (AGU) 2018 Fall Meeting.

Working in combination with a Trimble or third-party seismic data recorder, the REF TEK Colt sensor enables scientific and academic researchers to study local, regional and global seismicity to learn more about the physics of earthquakes and to gain a deeper understanding of plate tectonics. The Colt can be used in Earthquake Early Warning (EEW) applications as well as in monitoring and cataloging earthquake activity.

The small, lightweight, vault quality Colt sensor weighs only 12 pounds and can easily be carried in one hand or in a backpack. During transit, a shock resistant housing and robust automatic mass locking system protects the internal components. In addition, the Colt's low-power consumption means fewer batteries are required for portable or permanent vault deployments.

The REF TEK Colt's exceptional performance makes the sensor ideal for a wide range of seismic monitoring applications. The seismometer operates with low self-noise and features a large dynamic range to enable the sensor to quietly observe and measure high-quality ground motion data. The Colt sets a new industry standard for low noise performance in a compact form factor.

The sensor also provides unique alignment tools for quick field setup. Successful setups depend on precise directional alignment; the REF TEK Colt makes that easy with north/south pointers installed in the base of the unit to make orientation to the scribe line effortless.

"Scientific and academic researchers require light-weight, compact, portable sensors that enable quick deployment while maintaining vault-quality data performance. The REF TEK Colt is an economical sensor with industry-leading performance," said Shawn Hilliard, business area director of Trimble Monitoring Solutions. "Its noise performance is exceptional in this size category and the ease of use and installation makes this a versatile instrument, providing research scientists with robust data, and enabling our customers to do more with their budgets."

To learn more about the new REF TEK Colt, visit: www.trimble.com/Infrastructure/Trimble-REF-TEK-Colt.

About Trimble Monitoring Solutions

Trimble's portfolio of advanced sensor solutions, application software and state-of-the-art recorders provide proven integrated tools for monitoring and earth systems applications. The solutions allow organizations to monitor the integrity of a building, dam, mine, bridge and other structures, or natural hazards monitoring the seismic activity for a project and surrounding communities. Trimble's customizable and scalable monitoring solutions harness the power of GNSS, optical, seismic, engineering and geotechnical sensors to provide in-depth measurement, data analysis and management tools to help organizations meet a range of project requirements from periodic deformation measurements to real-time automated monitoring solutions. For more information about Trimble Monitoring Solutions, visit: www.trimble.com/monitoring.

About Trimble

Trimble is transforming the way the world works by delivering products and services that connect the physical and digital worlds. Core technologies in positioning, modeling, connectivity and data analytics enable customers to improve productivity, quality, safety and sustainability. From purpose built products to enterprise lifecycle solutions, Trimble software, hardware and services are transforming industries such as agriculture, construction, geospatial and transportation and logistics. For more information about Trimble (NASDAQ:TRMB), visit: www.trimble.com.

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