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Trimble Adds MBR Series to its Portfolio of Wireless Displays for Crane and Lifting Applications

Real-Time In-Cab Monitoring of Crane Sensor Data

SUNNYVALE, Calif., March 29, 2016 /PRNewswire/ -- Trimble (NASDAQ: TRMB) announced today the availability of the Trimble® MBR Series Displays for quick, handheld or cab-mounted wireless monitoring of crane sensors. The MBR Series Displays can monitor load, wind speed, wind gust, A2B, boom angle, trim angle, list angle, rope payout, rope speed and/or pressure for many crane and lifting applications.

The MBR Series Displays are "efficient, simple and precise," said Olivier Desrochers, crane operator at Grues Laurier, a Quebec-based crane rental and construction company. The MBR Series includes a handheld, battery-powered version (MBR100) or a cab-mounted, vehicle-powered version (MBR105). Both display models can monitor one analog and one digital sensor simultaneously. The battery-powered MBR100 operates with four 'AA' cell batteries; the MBR105 operates with a 9-30V power connection. Unlike other portable displays, the MBR100 has a long battery life—up to 90 operational hours using alkaline batteries or 125 operational hours using lithium batteries.

"The compact size and long battery life from standard off-the-shelf 'AA' batteries alone are a great solution, but the MBR100 takes it even further by simplifying the sensor ID programming and taring a load, making this a perfect product for load testing applications with the flexibility to check and monitor standard sensor data," according to Adam Hyla, branch manager Offshore & HALO Smart Crane at Hoist & Crane Service Group, Inc., a national provider of lifting equipment inspections, preventative maintenance and repairs based in Louisiana.

The MBR100 is portable and lightweight (0.95 lbs. or 430 grams), allowing free mobility on the jobsite while providing comfortable, in-hand monitoring of Trimble's wireless crane sensors. With a wide line-of-sight wireless communication range of 4,260 feet (1,300 meters), the MBR Series Displays can monitor sensors using Listening Mode without modifying the current RF network hierarchy. Users can set limits for alarms and view the peak load during use when programmed with a load sensor.

"The MBR Display Series has been designed to be utilized by a range of customers," said Dawn Cirkl, business area director for Trimble's Lifting Solutions Division. "Whether it's an OEM wanting to test a machine's design, a crane supervisor wanting to monitor a load, or an inspector certifying a crane during its annual inspection, the MBR Display Series offers a wide variety of applications to suit the needs of our customers in a rugged, pocket-friendly case."

The MBR Series has an ambient operating temperature range of 5°F to 122°F (-15°C to 50°C), an IP65 rated composite enclosure and features an ISM license free radio optimized for communication in industrial environments. The MBR105 Display has an available lockout function. Both MBR Series Displays have a hinged lid that opens and closes for safe storage and screen protection. An optional neck lanyard and wrist strap is available.

The MBR Series Displays are compatible with Trimble's Lifting Solutions wireless sensors and transmitters. For a full list of compatible sensors, visit: <http://www.loadsystems.com/products/MBR/>.

The MBR Series Displays and the Trimble's Lifting Solutions portfolio will be showcased at [bauma](#), an international trade fair for construction machinery, building material machines, mining machines, construction vehicles and construction equipment held April 11-17, 2016 in Munich, Germany. (Outdoor Hall FS - Stand 1104/5)

Availability

The FCC and CE certified MBR Series Displays are available now directly from Trimble's Lifting Solutions or through Trimble's Lifting Solutions Authorized Dealers and Distributors worldwide.

About Trimble's Lifting Solutions Division

Trimble's Lifting Solutions Division focuses on crane and lifting applications by designing, developing and manufacturing a full line of effective wireless and cable-based solutions for all crane types.

As a leader in the crane & lifting instrumentation industry, Load Systems International was acquired by Trimble in 2014 to integrate crane safety and accuracy into construction processes. Today, Trimble's Lifting Solutions Division operates globally with locations in Houston, Texas, U.S.; Quebec, QC, Canada; Aberdeen, Scotland, UK; Dubai, UAE; and Adelaide, SA, Australia.

For more information, visit: www.trimble.com/liftingsolutions.

About Trimble

Trimble applies technology to make field and mobile workers in businesses and government significantly more productive. Solutions are focused on applications requiring position or location—including surveying, construction, agriculture, fleet and asset management and mapping. In addition to utilizing positioning technologies, such as GPS, lasers and optics, Trimble solutions may include software content specific to the needs of the user. Wireless technologies are utilized to deliver the solution to the user and to ensure a tight coupling of the field and the back office. Founded in 1978, Trimble is headquartered in Sunnyvale, Calif.

For more information, visit: www.trimble.com.

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