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Trimble Introduces New Spectra Precision DR400 DigiRod for Rod-less Grade Checking

With Built-in Distance Meter and Receiver, DigiRod DR400 Eliminates the Need for Grade Rods When Laser Grade Checking

SUNNYVALE, Calif., Aug. 7, 2012 /PRNewswire/ --Trimble (NASDAQ:TRMB) introduced today the new Spectra Precision® DR400 DigiRod™ combination productivity tool. The versatile, revolutionary tool eliminates the need for grade rods when checking grades with a rotating laser. The combination of a laser receiver with digital readout, laser distance meter, and built-in tilt sensor provides the information required to take rod-less, accurate grade readings, even at tilt angles up to 30 degrees.

DigiRod Technology

Various grade rods can be emulated including direct elevation rods, cut/fill rods and indirect reading rods. Users can select measurement units in meters, decimal feet or fractional inches with the press of a button. This eliminates the need to carry, transport and maintain multiple grade rod types. Elevation measurements can be taken up to 6 meters (20 feet) and the tilt sensor ensures accuracy by automatically correcting to actual vertical distance. The user simply places the laser distance meter spot on the location a grade check is required, picks up the rotating laser beam anywhere on the reception window, and the distance from ground to the rotating beam is measured and displayed. Errors due to rod math and out of plumb grade rods are virtually eliminated. The rod-less grade checking system also allows for safe trench and excavation grade checking as workers do not have to climb down in the trench or lean over unstable trench edges to obtain elevation readings. Screeded concrete can also be checked without leaving marks on the finished surface.

Laserometer Technology

Based upon the popular HL700 Laserometer, the DigiRod functions as a laser receiver and will work with any rotational red beam laser. The receiver has an extra-long 127 mm (5 inch) vertical reception range that does not require centering on-grade to obtain a reading. The large LCD screen gives a bright, clear digital readout of elevation that eliminates confusing calculations. An anti-strobe sensor stops construction strobe lights from setting off the receiver. Multiple accuracy setting allows adaptation to meet jobsite requirements.

Laser Distance Meter

As a stand-alone laser distance meter, the DigiRod is designed to provide contractors with a one-person distance measuring and estimating tool to measure remote and difficult-to-reach places such as high overheads, factory interiors, or over water. It can measure up to 50 meters (160 feet) and has an accuracy of ±2.0 mm (±1/16 inch). A continuous measure mode is useful for staking out various distances and a minimum/maximum function accurately measures diagonals and right angles to surfaces. In addition, the DR400 is dust and weatherproof and backed by a 5-year warranty.

The versatility, portability and functionality of the DR400 DigiRod can add value beyond the traditional construction markets and can include applications in surveying.

The Spectra Precision DR400 DigiRod is available now through the Spectra Precision Dealer Network.

About Trimble's Construction Tools Business

Trimble's Construction Tools Business supplies precision tools and solutions to the construction and surveying markets to enhance productivity. Solutions incorporating laser and optical instruments target general contractors and specialty contractors serving large and small commercial job sites as well as residential builders and remodelers. In addition, a full line of accessories are available to meet the needs of the surveying, engineering and construction markets.

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, public safety 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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