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BinMaster Introduces Guided Wave Radar Continuous Level Sensor for Powders, Solids and Liquids



(Lincoln, Nebraska—September 11, 2012) BinMaster Level Controls of Lincoln, Nebraska, USA announces the introduction of the BinMaster Guided Wave Radar (GWR-1000) level sensor for measuring powders, bulk solids and liquids in vessels up to 78’ tall. The GWR-1000 provides highly accurate level measurement utilizing time domain reflectometry (TDR) to continuously measure the distance, level and volume of material contained in bins, tanks and silos. It performs reliably and is immune to dust, humidity, temperature, pressure and bulk density changes as well as noise that might be present when filling or emptying the vessel.

The BinMaster GWR-1000 features advanced two-wire TDR measurement technology with a low dead band (hysteresis) and accuracy of ± 0.2 inches (5 mm). The measurement data is converted to a 4-20 mA output with HART communication and can be viewed via a graphical display on the device or an optional local display using the SAP-300 plug-in display unit. BinMaster offers standard models for process temperatures from -22°F to 195°F (-30°C to 90°C) and high temperature models for temperature extremes from -22°F to 392°F (-30°C to 200°C). An 8 mm cable with a 1.5” NPT is offered for use in liquids and heavier bulk solid materials and a 4 mm cable with a 1” NPT can be used in lighter powders and bulk solids.

“Guided Wave Radar is a natural addition to the wide variety of level measurement technologies offered in the BinMaster product line,” stated Todd Peterson, vice president of sales for BinMaster. “The GWR-1000 is suitable for all types of powders, granules, solids and liquids and can be used in vessels of most any shape or diameter, including narrow tanks in a variety of industries including food, grain, seed, feed, cement, asphalt, minerals, quarries, steel, chemicals, and power generation.”

About BinMaster

BinMaster is a division of Garner Industries – an ISO 9001:2008 certified company established in 1953 and headquartered in a 75,000 square foot manufacturing facility in Lincoln, Nebraska, USA. BinMaster is strategically focused on designing, manufacturing and marketing reliable, proven sensing devices for the measurement of bulk solid and liquid materials for the feed and grain, food, plastics, pulp & paper, power, mining, and concrete industries. The BinMaster product line is sold worldwide and features many diverse technologies for bin level indication and measurement, being well known for its SmartBob2 and 3DLevelScanner advanced inventory management solutions. For more information about BinMaster, visit www.binmaster.com.

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