



STORAGE

TERMINALS MAGAZINE

AMETEK LMS introduces Pulsar® Model R80 for bulk solids measurement

AMETEK Level Measurement Solutions (LMS), a business of AMETEK, Inc., has expanded its Magnetrol® branded Pulsar Model R80 by introducing a newly developed solids-measurement antenna. The update enables the existing 80 GHz FMCW radar platform to perform reliably in demanding bulk solids applications.

The new Pulsar Model R80 solids antenna delivers improved measurement capability through its high-frequency signal, narrow beam angle, and advanced configuration software. It measures low-dielectric materials and maintains stable performance in environments with dust, vapour, or uneven surface profiles created during filling or emptying.

Bob Botwinski, Sr. global product manager for GWR/Radar, said that customers working with difficult solids applications require a stable, accurate measurement technology. He added that the Pulsar Model R80 transmitter is designed to make commissioning straightforward while providing consistent performance across a wide range of industrial environments.

Key features of the Pulsar Model R80 include an 80 GHz FMCW signal with narrow beam angles, 3"/150# and 4"/150# process connections, a swivel-mount flange for accurate radar alignment, and a purge connection for in-situ lens cleaning. The unit offers a measuring range of up to 60 metres (200 feet), software-guided commissioning wizards, and proactive diagnostics with actionable troubleshooting insights. Additional features include a replaceable transmitter head that maintains the process seal, SIL 2 suitability with 92.3 percent SFF, and FCC, ETSI, and ISED approvals for both "In Tank" and "Out of Tank" installations.

The Pulsar Model R80 is the first radar transmitter for bulk solids developed by AMETEK Level Measurement Solutions, providing customers with a new option for industrial solids-level measurement. For more information, visit AMETEK-Measurement.com.

www.ametek.com