



Level



Pressure



Flow



Temperature



Liquid Analysis



Registration



Systems Components



Services



Solutions

FMR240 Radar Level Measurement in Hydrogen Peroxide Storage Tanks- Chemical

Micropilot M outperforms mechanical float gauges in chemical level measurement application



Hydrogen peroxide is used for textile bleaching



Micropilot M FMR240



Chemical plant

Micropilot M FMR240 outperforms mechanical float gauges in level measurement of hydrogen peroxide. The radar instruments are installed in man hole covers of storage tanks.

Company profile

Major chemical company.

Application

The customer had 16 tanks with mechanical float gauges that he wanted to replace because of the continuous maintenance problems. The Endress+Hauser representative gave a presentation on free space radar technology. After review of the application, a Micropilot M FMR240 was recommended.

Application description

Product: Hydrogen peroxide
Tanks: Vertical, 29 ft height, 22 ft 6 in width
Air spargers are installed at bottom of tanks

Temperature: Ambient
Pressure: Ambient

The FMR240 is mounted in a man hole cover, 1 foot from man hole wall. The man hole is located 5 foot from the side of each tank.

Results

The customer has installed all 16 units and the FMR240's have been working fine from the day they were installed. The customer is very satisfied with the measurement performance.

Measuring principle

The Micropilot M FMR240 is a top mounted, non-contact 2-wire continuous level measurement system for liquids. The FMR 240 is equipped with an antenna horn.

The Micropilot is a "downward-looking" measuring system, its operation based on the time-of-flight method. It measures the distance from the reference point (process connection) to the product surface. Radar impulses are emitted by an antenna, reflected off the product surface and received again by the radar system, which converts the pulse into a level signal.

For more information, contact
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Micropilot M FMR240 installed in man hole covers of storage tanks.

ISO 9001:2000 Certified

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