



Level



Pressure



Flow



Temperature



Liquid Analysis



Registration



Systems Components



Services



Solutions

Micropilot M in Chemicals

FMR231 measures reliable in Aggressive Media



Plastic storage vessel



FMR231



Chemicals

FMR231 outrivals a competitors' dP transmitter.

Customer Profile

This customer has been in business since 1956 and has an annual production capacity of 784,000 metric tons of pulp, paper and craft paper.

Application

Cylindrical vessel mounted outside with different kinds of chemicals inside. The vessel is made of plastic.

Process Information

Medium:	Different chemicals
Process Temp:	68 to 122°F (20 to 50°C)
Vessel:	Cylindrical
- Height	16 ft (5m)
- Diameter	8 ft (2.5m)
Location:	Mounted outside
Build up:	None
Surface:	Calm (storage vessel)

Competition

Previously, the customer used the dP pressure transmitters from our competitor. But the transmitter could not cope with the changing media. Furthermore, the aggressive media destroyed the membrane.

Solution from Endress+Hauser:

FMR231 with PTFE antenna

Instrument description

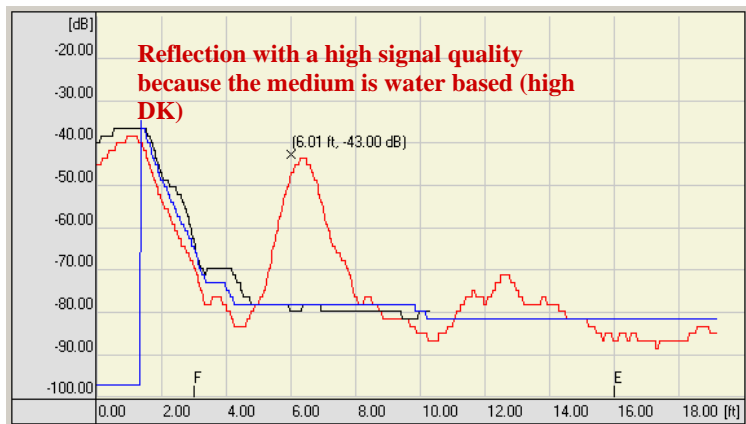
The Micropilot M is used for continuous, non-contact level measurement of liquids, pastes, and slurries. The measurement is not affected by changing media, temperature changes, gas blankets or vapors. The FMR 231 has its strengths wherever high chemical compatibility is required. The rod antenna with inactive length guarantees a reliable measurement in narrow nozzles and has no problems with build-up or condensation.

Benefits for the customer

Radar is has no problem with changing media. PTFE antenna can withstand all the chemicals. Antenna is not in contact with medium (huge advantage over dP)

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