



Level



Pressure



Flow



Temperature



Liquid Analysis



Registration



Systems Components



Services



Solutions

# Micropilot M FMR 245 in Acid- Pulp/Paper

## FMR 245 in a Liquid Application with Radar Level Detection



Micropilot M on an acid vessel



FMR 245



Acid

### FMR 245 outrivals an ultrasonic transmitter from our competitor.

#### Customer Profile

This customer operates a three line Northern Bleached Softwood Kraft pulp mill. The mill is one of Canada's largest market pulp producers with a capacity of 400,000 annual metric tons.

#### Application

A 14 ft high acid vessel. Inside the vessel is coated with a rubber-plastic coating.

#### Process Information

Medium:	Pulping Acid
Process Temp:	20° C (68°F)
Vessel:	14 ft (4m) high
Nozzle:	2-½" (DN62.5), 6" (150mm) high
Build up:	None
Surface:	Calm (storage vessel)
Filling:	From the bottom

#### Challenge

Crystallization in the vessel

### Solution from Endress+Hauser: FMR245

#### 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 245 is highly resistant and easy to clean.

The instrument deals with temperatures up to +300°F (150°C), has a max measuring range of 67 ft (20m) and is a real cost effective solution.

#### Benefits for the customer

The 26 GHz radar has no problem with the long nozzle.

The customer can use the full vessel capacity as the FMR245 doesn't require a blocking distance.

The PTFE antenna is the perfect solution for acids.

Endress+Hauser

People for Process Automation

ISO 9001:2000 Certified

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