

LMT200

Level measurement of oleum acid tower

High accuracy non-intrusive liquid
level and interface level detection
K-TEK Level products

Measurement made easy



The Application



The customer is chemical plant located on the United States East Coast. The application is an oleum acid tower level control.

- Ambient Temperature: -26 to 40°C
- Process Temperature: Ambient
- Process Pressure: externally mounted

The Problem

Oleum is a very dangerous chemical which can create a sulfuric acid gas cloud when exposed to atmosphere, so containment is critical for plant personnel safety as well as community safety.

Additionally, sulfuric acid is very corrosive in low concentrations, so material compatibility is critical and leaks must also be avoided. The installation area requires acid jacket and face shield for entry.

The LMT200 is replacing a competitor's external switch which had failed.

The Solution

The LMT200 magnetostrictive level transmitter is mounted on the outside of a competitors magnetic level gauge to the side of the process vessel.

As a non-intrusive device, exposure to vapors and leak potential are eliminated which means a safer work environment for instrument technicians and plant personnel.

For setup, the device was shipped with all known parameters preconfigured. No additional tuning was required

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