

## LMT200

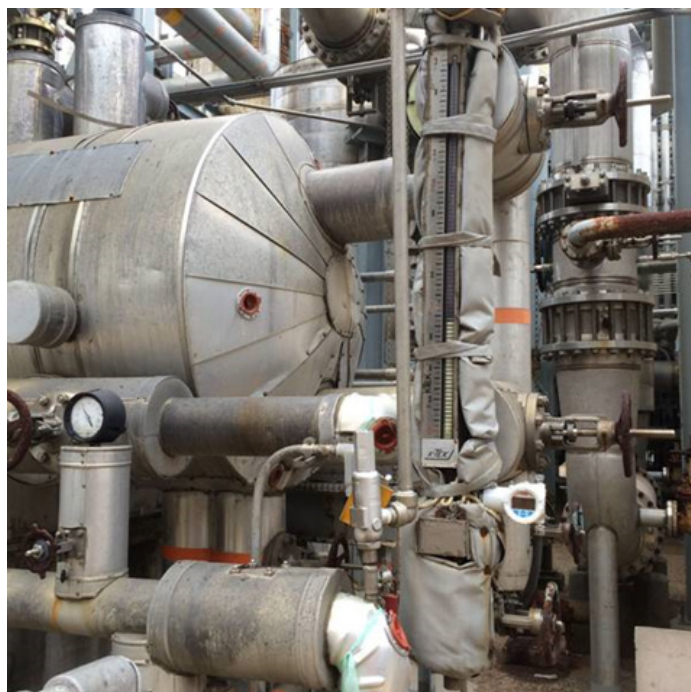
### Level measurement of ammonia vaporizer control

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

Measurement made easy



#### The Application



The customer has a critical ammonia ( $\text{NH}_3$ ) vaporizer unit used for NOx control. The application had an existing K-TEK KM26 and transmitter installed on it since 1998.

- Ambient Temperature: 60°C
- Process Temperature: Ambient
- Process Pressure: 34.5 barg

#### The Problem

Ammonia is a critical part of NOx emission control at power generation facilities and process plants. Maintaining operation and control of the processes controlling NOx emissions is important for the environment, plant operations and avoiding government penalties for excessive emissions.

## The Solution

The original KM26 was designed so that the effects of flashing on the float would be minimized; and therefore, the local indication and transmitter output would be reliable.

Since the LMT200 mounts outside of the gauge chamber, as a non-intrusive device, exposure to vapors and leak potential are eliminated as a problem when a technician works on it. Since the device is being installed on an existing chamber which was shipped from K-TEK in the past, the parameters were preloaded into the device. On installation, the technician only needed to check the signal quality on the built in waveform display. No adjustments were required after that.

No additional tools or software were required.

## Contact Us

### **ABB Inc.**

17100 Manchac Park Lane (Suite B)  
Baton Rouge, LA 70817 USA  
Phone: +1 225 408 0800  
Service: +1 225 408 0898  
Fax: +1 225 408 0899  
Service e-mail: [ktek-service@us.abb.com](mailto:ktek-service@us.abb.com)

### **ABB Engineering (Shanghai) Ltd.**

No. 5, Lane 369, Chuangye Road  
Kangqiao Town, Pudong District  
Shanghai, 201319, P.R. China  
Phone: +86 10 64231407  
Service: +86 21 61056421  
Fax: +86 10 64371913  
E-mail: [shan.li@cn.abb.com](mailto:shan.li@cn.abb.com)  
Service e-mail: [rola.li@cn.abb.com](mailto:rola.li@cn.abb.com)

**[www.abb.com/level](http://www.abb.com/level)**

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