

LLT100

Level measurement in powder mixer chemical tanks



LLT100 level measurements with use of laser technology in mixer chemical tanks

Measurement made easy

Introduction

It is the leading company in the sector that produces chlorine, chemical raw materials and cleaning products in Turkey.

Produced raw material, food additive Used in purification of potable and utility waters, artificial silk production industry, papier-mache, textile industry, rubber betterment, as organic solution procedure, aluminum, food, detergent and soap industries.

Additional Information

Additional documentation on LLT100 is available for download free of charge at www.abb.com/level. Alternatively simply scan this code:



Challenge

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01 Powder chlorine tank

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02 Laser level transmitter
LLT100

The company uses 15 powder chlorine tanks. The chlorine level in the tanks used is of great importance for production.

Because it is mixed with chlorine that crystallizes in these tanks. The mixing process is done with a rotating mixer. The prepared product is then sent to the enterprise under the tank. The new product is added from the top of the tank.

It is important that incoming and outgoing products are proportional. Many level methods have been used before, but without success. There has always been an overflow in the tanks.



01

The ABB Solution

The ABB LLT100 is a high performance laser transmitter that accurately measures level, distance and position over short and long ranges.

It is a non-contact, level measuring instrument designed for industrial applications and harsh environments.



02

The LLT100 is used for level measurement in Powder Chlorine Tanks with a height of 70 to 80 cm (27.6 to 31.5 in). There are moving parts inside the tank.

Contact level measurement does not work properly because it is corrosive to chlorine and is constantly mixed.

Due to the specificity of the chemical, dust occurs. This affects other non-contact level measurements. But the lens is not affected by chemicals due to laser level measurement technology. In addition, it can work in dusty environments due to the purge system designed to be used in different conditions.

Conclusion

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03 Detail view – LLT100 on powder chlorine tanks

ABB's contactless level application works safely and stably.

Problems such as overflow in tanks, waste of raw materials and stoppage of operation have been eliminated.

The customer uses the LLT100 for the 15 chemical tanks in the factory.

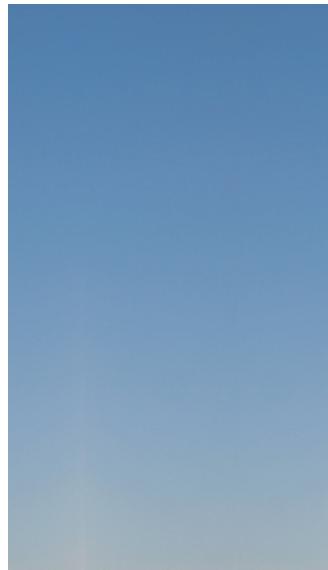


03

ABB Measurement & Analytics

For your local ABB contact, visit:
www.abb.com/contacts

For more product information, visit:
www.abb.com/level



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