



Level



Pressure



Flow



Temperature



Liquid  
Analysis



Registration



Systems  
Components



Services



Solutions

# Levelflex M FMP40 in Milling Plant- Food

Milling plant uses 42 Levelflex FMP40's to measure flour silos



Measuring out flour in measuring cup



Levelflex M FMP40



Wheat

## Milling plant uses 42 Levelflex M FMP40's to measure flour silos

### Company profile

Leader in flour milling industry, plant located in Chattanooga, TN.

### Background

The Chattanooga milling plant has 42 silos which measure 60 to 70 feet of flour.

### Previous instrument

The milling plant used a tape measure and tie knots in a rope to measure the height of the flour in the silos in the past.

### Solution

Endress+Hauser recommended the Levelflex M FMP40 to measure flour in the silos for the milling plant.

## Instrument description

The Levelflex M is a top-mounted, compact level transmitter that operates with microimpulse radar on the guided time-of-flight principle. Fluctuations in the density, temperature, or build-up do not influence the measurement.

## Measuring principle

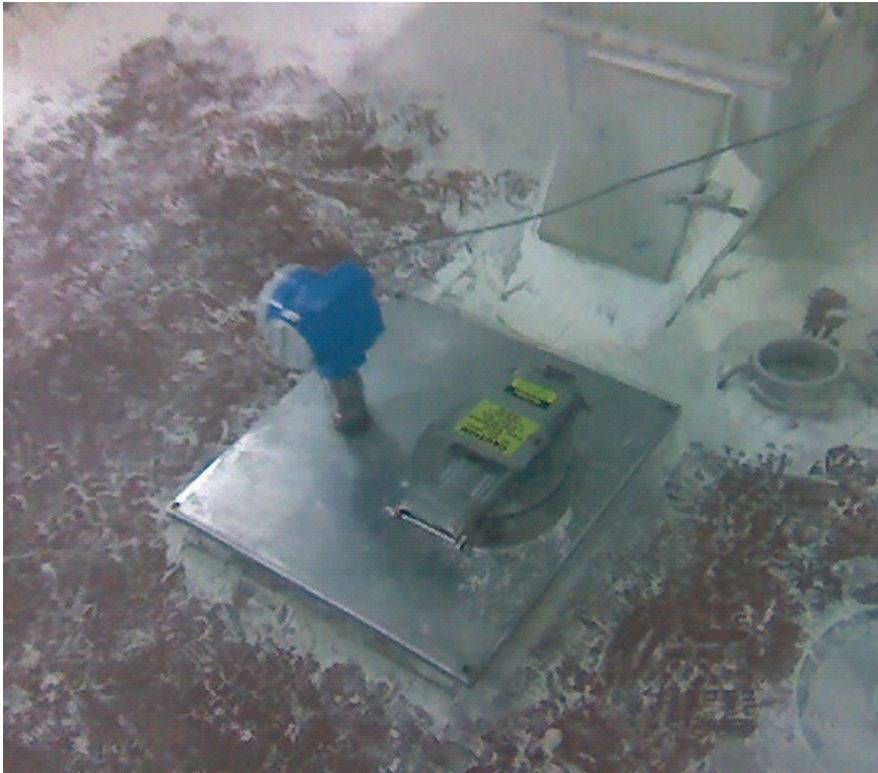
The Levelflex is a "downward-looking" Time-of-Flight (ToF) measuring system which measures the distance from the process connection to the material surface. An electrical pulse is launched and guided down the probe. The pulses are reflected by the product surface, received by the electronics, evaluated and converted into level information.

## Result

Shortly after installing the 42 Levelflex M's for ground flour, the customer installed 25 more new Levelflex meters to measure their raw wheat. These silos are 8 by 8 square feet silos 60 to 70 feet tall.

With the Levelflex M FMP40 the customer can now accurately measure flour and wheat.

For more information, contact  
Endress+Hauser, Inc.  
317-535-7138  
[www.us.endress.com](http://www.us.endress.com)



Levelflex M FMP40 installation at milling plant



Ground floor

ISO 9001:2000 Certified

USA	Canada	Mexico
<p>Endress+Hauser, Inc.                  2350 Endress Place                  Greenwood, IN 46143                  Tel. 317-535-7138                  Sales 888-ENDRESS                  Service 800-642-8737                  Fax 317-535-8498  <a href="mailto:inquiry@us.endress.com">inquiry@us.endress.com</a>  <a href="http://www.us.endress.com">www.us.endress.com</a></p>	<p>Endress+Hauser, Canada                  1075 Sutton Drive                  Burlington, ON L7L 5Z8                  Tel. 905-681-9292                  800-668-3199                  Fax 905-681-9444  <a href="mailto:info@ca.endress.com">info@ca.endress.com</a>  <a href="http://www.ca.endress.com">www.ca.endress.com</a></p>	<p>Endress+Hauser México, S.A. de C.V.                  Fernando Montes de Oca 21 Edificio A Piso 3                  Fracc. Industrial San Nicolás                  54030. Tlalnepantla de Baz                  Estado de México                  México                  Tel. +52 55 5321 2080                  Fax +52 55 5321 2099  <a href="mailto:eh.mexico@mx.endress.com">eh.mexico@mx.endress.com</a>  <a href="http://www.mx.endress.com">www.mx.endress.com</a></p>