



Level



Pressure



Flow



Temperature



Liquid Analysis



Registration



Systems Components



Services



Solutions

Increased Productivity and Throughput

Elimination of waste, batch rework and losses with innovative active backup on RTD assemblies with transmitters



Products that require accurate mixing



TMT162 transmitter



Typical filling process

Batching and filling processes require precise measurement and control to ensure quality products and to avoid loss of product.

Customer profile

Manufacturers that use batching processes combined with precise filling processes can now ensure that waste, batch rework and maintenance costs associated with a temperature failure can now rest easy with the innovative active backup feature on the TMT162 in partnership with an Endress+Hauser temperature assembly.

Application description

Critical temperature measurement for batching and filling processes to control and meet FDA quality and monitoring requirements.

Application challenges

Temperature measurement at various points during the addition of various ingredients and materials, in both intermediate and the final stages of the product, must be controlled to ensure a quality end product.

Some temperature devices were at critical measuring points because the product had to be at a predetermined value before the batch could run. Failure of these devices would ruin an entire batch resulting in reworking the batch, lost time, profits, maintenance costs and potential contamination.

Instrument used

TMT162 transmitter in partnership with TH27, TH13 or TH14 temperature sensors.

Solution

Replace temperature transmitters that do not have advanced features with a TMT162 unit with innovative active backup capability.

The TMT162 has an active backup feature that utilizes a dual sensor input, and constantly checks for any interruption of the sensor signal or failure. Should a failure occur, the system automatically switches to the backup sensor. This is done without loss of a measuring value.

The transition happens instantly, and the process does not lose this critical measurement, resulting in a controlled batch.

This greatly reduces downtime, increases throughput, and saves money associated with botched batches.

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