



Application Note

Baked and Processed Food Flavoring / Additive Tote Inventory

Problem:

Food additives and flavorings used in food processing and baking are stored in portable tote style containers and are automatically fed into the process. To inventory stock requires operators to routinely stick the containers or view levels in the translucent containers. Switching from empty to full containers is done manually based on level observations and anticipated usage. If the usage calculation is incorrect, the operator waits until the level drops down before initiating transfer to another tote. If the level drops below the feed line and is not caught in time, the finished product will not have the proper ingredients resulting in a scrapped batch.

Solution:

Continuous level information using the cost-effective hydra-wave™ drum and tote ultrasonic device. The tote level can be transmitted as a current output to a PLC/PC control system to allow unattended control of the additive/flavoring inventory and automatic changeover.

Benefits:

- Repeatable, continuous level readings to base current inventory and material demands. Prevent runout by tracking tote material usage to provide automatic changeover or alert operator to change to another tote.
- Non-contact eliminates material contamination risks.
- Material can be delivered in standard opaque tote.
- Easy to install on tote bung cap and short blind space allows continuous readings over range of tote.
- Loop powered for simple connection.

WORLD HEADQUARTERS

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