



Application Note

Plastic Pellet and Powder Weigh Hopper System Feed Control

Problem:

Downstream weigh hopper measurement control systems require constant re-calibration or are prone to failure, causing excessive downtime. The weigh hopper is used for tracking material usage and flow through downstream processes and to gauge plant efficiency.

Solution:

Continuous weight information to the transfer controller using KM direct support tension or compression load cells and the SVS 2000 indicator on the weigh hoppers. KM's designs provide robust, rugged load cells that are immune to the problems associated with traditional foil-gauge based load cells.

Benefits:

- Repeatable, continuous weight readings to base current inventory and material demands.
- Non-contact eliminates material contamination risks.
- Rugged, reliable performance reduces system downtime and replacement/calibration costs.
- Easy to retrofit on existing vessels.
- Ability to use the same units (weight) that are used for re-order and tracking.
- Direct digital data connections to control systems for efficient integration.

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