

LM80 with Custom Dust Tube and KVIEW100 Replaces Bindicator

K-TEK's LM80 Laser Transmitter and KVIEW100 replaces Bindicator's controller and phase tracking level system at a plastic container manufacturer. The customer has 45 ft. tall silos that contain plastic pellets, which are pneumatically conveyed.

Problem: The customer was using Bindicator's phase tracking level system to measure the silos, which started failing. The customer had replaced the Bindicator controller and the phase tracking level system thinking a lightning strike had fried everything, but the system never worked properly after installing the new components. With dissatisfaction from Bindicator, the plastic container manufacturer looked to K-TEK to solve their level measurement problem.

Solution: K-TEK's LM80 Laser Transmitters and KVIEW100 Multi-Channel Controller. The customer initially purchased one LM80 Laser Transmitter with a custom dust tube because it was required due to unavailable air purge. Arrow Technical Sales' previous experience with air purging is that it will cause more problems in the future and custom dust tubes work better. The dust tube was a 24 inch spool piece. Three months later, the rep received a PO for four more lasers, which were taken out of the rep's LM80 stocked inventory. One year later, the lasers are providing satisfactory measurement for the plastic container manufacturer.



Arrow Technical Sales

K-TEK's KCAP300 Viable Option for Food Plant

K-TEK's KCAP300 RF Capacitance Switches with optional solid stainless steel housing provide viable option for a food plant in Pennsylvania. Food plants cannot have any glass or epoxy paint near their products, and the competition only offered an epoxy painted aluminum housing; therefore, K-TEK was the practical choice.

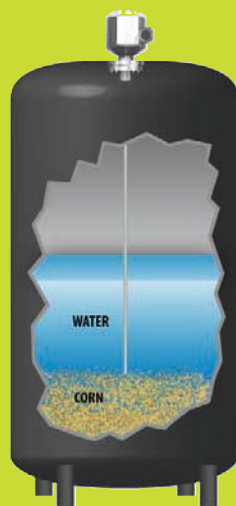


The customer has 12 large tanks used for the corn soaking process, where corn is soaked in water and lime to make the customer's product.

The corn sits in the bottom of a vertical tank, and a low level measurement of the soaking water is needed. On-off switch technologies, paddle wheels and vibrating tuning forks are often used in this process.

The customer had been using a competitor's paddle wheels, which wasn't producing the desired results. The plant engineer was primarily sold on the RF Technology because there are no moving parts.

K-TEK's KCAP300 RF Capacitance Switch could differentiate between the water and corn because the water has a different dielectric than the corn. If the water were to fall below the tip of the probe, an alarm could be triggered with the contact output. The customer ordered 12 KCAP300s with 129" sensor lengths.



Rep Product Training

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