

Predictive diagnostics ensure extended uptime for silo weighing

The Greifensee, Switzerland, office of Mettler Toledo reports that it has enhanced the performance of its Pinmount weigh module with the entirely digital POWERCELL® PDX®. True predictive diagnostics of each individual load cell are provided by the PDX technology. This information can be used for preventive maintenance before problems lead to downtime or inaccurate results. The built-in predictive diagnostics system constantly monitors the load cell and alerts the supervisor if a potential problem arises. The microprocessor inside each cell continually adjusts the weigh signal to compensate for environmental factors. It provides accurate weighing regardless of the effects of temperature, linearity, hysteresis and creep. All electronic components are enclosed in the hermetically sealed load cell housing which meets IP68/69k approval.

Safety-related mechanical features have been provided in duplicate: dual lift-off protection and 360-degree checking withstand wind or seismic forces; dual safety down-stops protect against collapse in extreme situations; and two optional stabilisers are designed to steady storage vessels which incorporate mixers, thus ensuring short stabilisation times.

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Latest version of Mettler Toledo's Pinmount weigh module