

HBM hotnote

Platform load cells for extreme ambient conditions

PW25

"WORLD PREMIERE"



Many weighing tasks in numerous industrial sectors are challenging because of their special ambient conditions and particular cleaning requirements. But, until now, there has been no suitable load cells available for these applications.

HBM has now developed new platform load cells for this reason; load cells that are suitable for very demanding ambient conditions and which also offer excellent technical properties.

The PW25 platform load cell series covers the nominal load ranges 10kg and 20kg, and they can also be installed in legal-for-trade scales due to their test certificate. The accuracy class is C3, making it possible to use them in multirange scales. The extremely rugged platform load cells are made entirely of stainless steel and are off-center load compensated. The welded, solid enclosure tube reliably protects the strain gage measuring element from moisture and am-

bient influences, preventing blockage of the integrated overload protection by dirt particles.

This rugged design of the sensors prolongs service life and minimizes failures especially in filling and weighing systems. The overall construction of the load cell, which has several patent-pending features, is cylindrical and easy to clean thanks to the smooth stainless steel surfaces. The hermetic encapsulation achieves degree of protection IP68/IP69K so that cleaning at brief intervals with water, high pressure and steam cleaners is possible. The materials used are resistant against adverse ambient conditions. The dimensions of the PW25 and its fastening points arrangement comply with industry standards. This means that the PW25 platform load cell is the ultimate solution when it comes to ruggedness, good cleaning properties and resistance under difficult ambient conditions.

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Application: Multi-head weigher

Multi-head combination weighers are usually found as components in a packaging plant. Up to 46 containers can be installed, either in ring or line configuration, attached to load cells. While the filling material is being added, the control system calculates the weight and discharges the containers that make up the final weight into the appropriate retail product bag.



Application: Filling machine

A weigh filler can be a component of a filling machine. Up to 96 filling stations, in ring or line configuration, can continuously fill containers made of glass, metal or plastic. The containers being filled stand on or hang from the load cell and a valve is opened or closed according to the value determined after taring.

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