

API-Cecom Group *n'fo*

Technical & Application Note C137

Application: Monitoring vacuum pump motors
Type Of company: Manufacturer of food packaging machines
Location: South Carolina

Problem: The customer manufactures machines for vacuum packaging systems to meet specific needs for their customers. Since food agencies require that the machines have good food hygiene and be maintained such that it operates at acceptable levels the company uses field service technicians to visit the customer's location. To ensure that the machines are operating at these acceptable levels the field service technician must not only monitor the vacuum pumps and regulators operation but document this as well. An accurate, rugged and reliable vacuum gauge is required.

Note: for additional information on this process see http://en.wikipedia.org/wiki/Vacuum_packing

Solution: The customer purchased an ARM760BBL. The ARM760BBL gives the customer a visual indication plus the ruggedness of the gauge ensures that calibration is maintained.



ARM760BBL

Battery Powered Absolute Reference Manometer



Benefits of API's solution:

- Accurate monitoring of vacuum
- Rugged operation
- Use a standard product

Cecom Unique Feature



Functional Test Pushbutton

The Functional Test Pushbutton will, when pressed, output a test signal independent of the applied pressure/vacuum. This signal is adjustable from 0-100% of span by holding the Test button down and adjusting the Test potentiometer on the unit. This signal is typically preset to 50% at the factory. This feature allows the technician to temporarily inject a test or preset calibration signal into the output loop without manipulating the input signal. This signal can be used to check loop status, downstream display operation, downstream alarm operation, etc.

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