API-Cecomp Group n'fo

Technical & Application Note C129

Application: Monitor pressure on large refrigeration units

Type Of company: Refrigeration Energy Management

Location: Georgia

Problem: The customer wanted to monitor compressor pressure on large refrigeration units at retail stores. They required an accurate, easy to read and cost effective visual indication of the pressure on the compressors for these units so that they are correctly "balanced" for efficient operation. The process of adjusting the process controls for optimum refrigeration reveals mechanical as well as control strategy issues needed to establish performance base-lines for energy benchmarking and improve energy efficiency. We were advised that this simple improvement could result in an energy savings up to 20% a month and a 6 month payback.

Solution: The customer will use a F16B300PSIG battery powered gauge to monitor the pressure on the refrigeration units and adjust the system balance accordingly.

F16B

Battery Powered Digital Pressure Gauge with Selectable Units

Benefits of API's solution:
±0.25% Test Gauge Accuracy
Long Battery Life (up to 2500 Hours)
Energy savings

To find your local representative:
www.api-usa.com/api_rep_map.php

Cecomp Unique Feature

Terminal Point Accuracy
Cecomp Battery powered Gauges have an accuracy of ±0.25% of full scale (±1 least significant digit. Cecomp uses the "terminal-point" specifications method during our gauge calibration instead of "best-fit straight line" specifications. This type of calibration procedure is more stringent and means that the zero pressure point and the 100 percent pressure point are "terminals" (sometimes referred to as end points) to which the actual performance of the transducer is fixed.

API List Pricing Quick Link

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