

API-Cecom Group *n'fo*

Technical & Application Note C110

Application: Monitor hydrostatic test on tanks

Type Of company: Manufacturer of Fire Extinguisher Service Equipment

Location: Illinois

Problem: In the United States, fire extinguishers, in all buildings other than houses, are generally required to be serviced and inspected by a Fire Protection service company at least annually due to the cylinders becoming weaker with age. A large fire extinguisher servicing company requires accurate pressure measurement to hydrostatically test cylinders and fire extinguishers. Hydrostatic testing is a pressure test in which the thickness and serviceability of the cylinder is measured. The test equipment needs to be portable, rugged, accurate and have an easy to read visual indication of the pressure.

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

Solution: The customer purchased a 0-1000 psig, NEMA 4X case, battery powered gauge (F4B) to monitor the pressure and record the pressure values on his certification documents.



F4B1000PSIG-30

NEMA4X Battery powered Digital Pressure Gauge



Benefits of API's solution:

- ±0.25% Test Gauge Accuracy
- Long Battery Life (up to 2500 Hours)
- 0.5" digit height on Display for ease of reading

Cecom Unique Feature



This NEMA 4X battery powered gauge has a UV stabilized polycarbonate/ABS case with non-interactive zero and span controls. It has an accuracy of $\pm 0.25\%$ of full scale (± 1 least significant digit) with 2500 hours battery life using standard alkaline batteries. The single front button turns gauge on, starts auto shutoff timer, and provides zero (One-Touch Zero) function for gauge reference ranges.

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