

# API-Cecomp Group *n'fo*

## Technical & Application Note C122

Application: Leak detection on a life raft

Type Of company: Airline

Location: Minnesota

**Problem:** The customer wanted to monitor the pressure on large aircraft life rafts. They required an accurate, easy to read and cost effective visual indication of the pressure on the life rafts so that they could verify a “no leak” condition over an 8-hour test. The pressure was being monitored using an analog gauge but their improved testing requirements required that they increase the accuracy of the monitoring gauge so that the accuracy of the test would be increased.

**Solution:** The customer will use a DPG1000B with an 8 hour shutoff time to monitor the raft pressure.



DPG1000B

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
- Repeatability of reading


### **Cecomp Unique Feature**



#### **Accuracy**

Cecomp Battery powered Gauges have an accuracy of  $\pm 0.25\%$  of full scale ( $\pm 1$  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.

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