

Leak detection on a life raft

APPLICATION C122

Type of Company: Airline

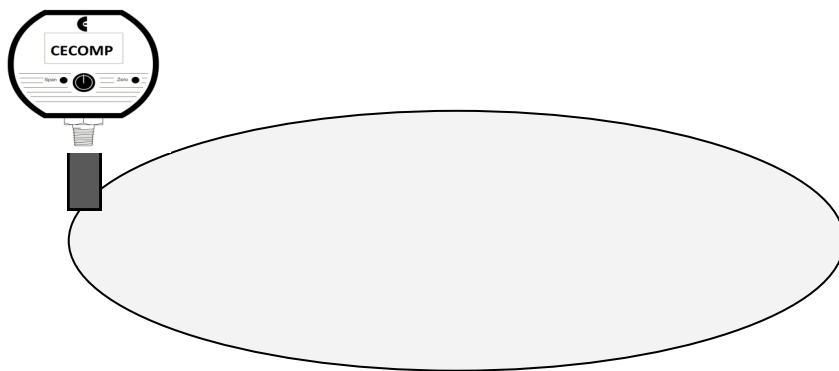
Location: Minnesota

All aircrafts going over a large body of water must have a life raft. The life rafts must be tested to ensure there is a proper inflation system and must maintain adequate pressure for a specified period of time after inflation. Under static conditions and when inflated and stabilized at the nominal operating pressure, the pressure in each inflatable chamber must not fall below the minimum operating pressure in less than 24 hours.



The Engineering Issue

- The engineer had a requirement to improve the testing accuracy of the currently used analog gauge.
- The engineer needed an easy to read and cost effective visual indication of the pressure on the life rafts so that they could verify a “no leak” condition during the test.



The engineer used a Cecom DPG1000B with an extended shutoff time to monitor the raft pressure. It is accurate, easy to read and very rugged.

Problem. Solved.