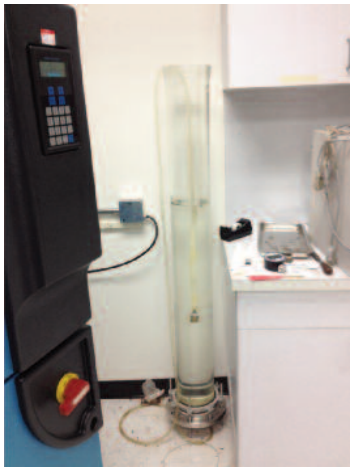
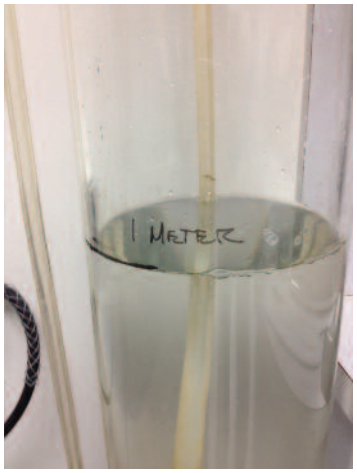
DG25 ENVIRONMENTAL TESTING

Description: This test is designed to verify the environmental protection rating declared in the product specification (IP67).

Objective: Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion).

Test Equipment: 6” diameter glass filled with 1 meter of water.





Test Subject: Typical DG25 off the production line (pressure range 10,000#).



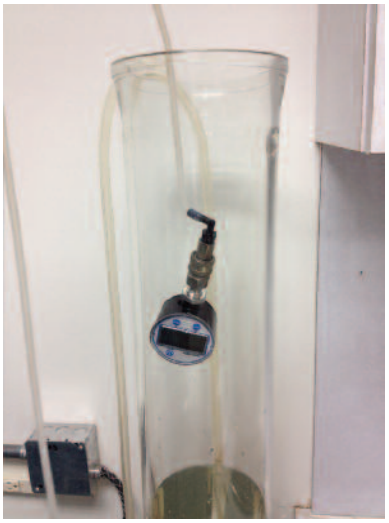


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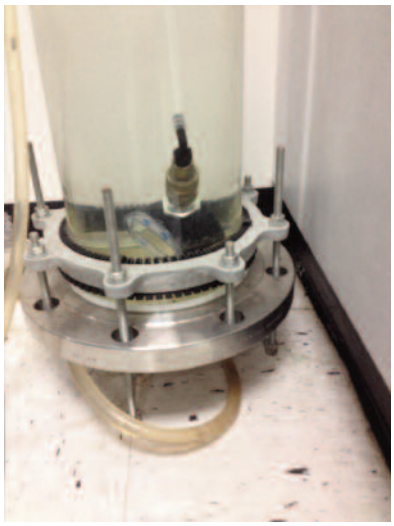
DG25 ENVIRONMENTAL TESTING

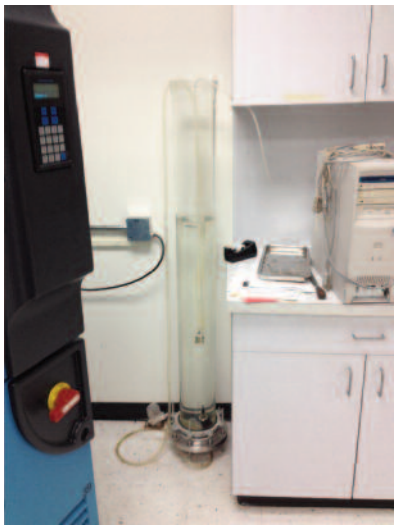
Procedure: Secure the test unit to a tether in order to submerge and retrieve it (in this case the unit was threaded onto a fitting, which was attached to a long length of plastic tubing). Submerge the unit in 1 meter of water for 30 minutes.











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DG25 ENVIRONMENTAL TESTING

Procedure: After 30 minutes, remove the unit from the water. Use a compressed air gun to blow-off the exterior of the unit to ensure no false negative results are seen.







Note: There are 5 possible entry points for water ingress.

1. O-ring seal, front window to case
2. O-ring seal, back cover to case
3. O-ring seal, socket to case
4. Keypad overlay
5. Case vent plug

1



2



3



4



5

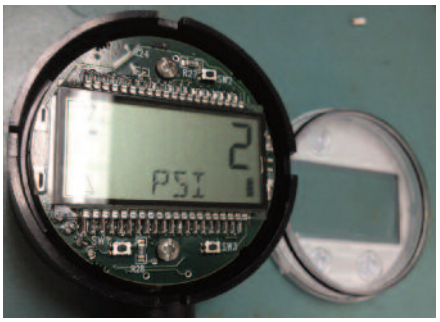


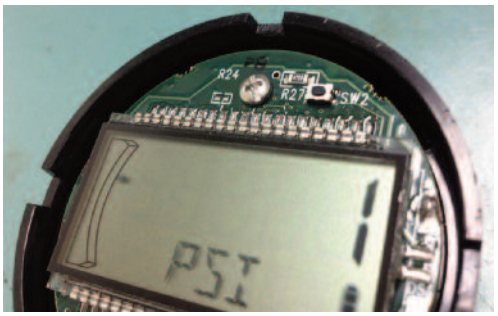
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DG25 ENVIRONMENTAL TESTING

Results: Gauge was completely disassembled and inspected. No signs of water ingress were detected..















Conclusion: This test confirms that the DG25 enclosure is compliant with the IP-67 standard. The DG25 gauge can therefore be claimed as an IP-67 rated product.

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