



SSDG

Scotia Subsea Digital Gauge



**Scotia Subsea Digital Gauge**  
**Pre-deployment checks**

The following checks should be made prior to deployment, if the unit does not meet all the criteria, it should not be used.

1. Make the gauge battery fully charged?
2. Is the O-ring Subsea plug connected and secured? Make sure that the plug is pushed into the hole before sliding the protection collar on. The collar will not push the plug in properly itself.

3. Is the hose and plug on the reel intact?
4. Visually inspect the gauge to check for any damage.
5. Ensure the sensor window seals (Pneumatic) are all intact. One on the side but plug and port, internal connector and on the front Sub-sea.

6. Check that the sacrificial anodes is in place.
7. Use a torch to address the unit and check the display. Otherwise should be about 20°C.
8. When disconnecting the ON/OFF plug after the gauge has been deployed, please ensure that the plug is pushed back to avoid any water getting into the sensor.

**Subsea Handling Instructions**

Follow these instructions carefully to ensure correct use of Subsea connectors.

1. Always pull 'inwards' to the plug before connecting (use 'hot cap').
2. Disconnect by pulling straight 'out' at an angle.
3. Do not pull on the cable and avoid sharp bends or cable entry.
4. When using a full-head connector, ensure that there are no sharp bends.
5. SubSea connectors should not be exposed to extended periods of heat or direct sunlight.
6. If a connector becomes very hot, it should be soaked in fresh water before use.

- Max operating water depth of 1000m
- Current pressure ranges include 0-25bar, 100bar, 700bar and 1000bar, spec  $\pm 0.25\%$  of fs +1 lsd
- 0-100°C temperature range
- 4.5 digit pressure display with resolution to 0.1bar
- 3 digit temperature display with resolution to 0.1°C
- Light activated
- Illumination period, 1 minute default setting, after light source removed
- Rechargeable batteries with external charger, 2 hour charging time
- Maximum battery life is 32 days when switched on
- Provides 2800 activations from a full charge
- Stainless steel housing
- Process connection supplied with sacrificial ½" nptm adapter
- 100mm diameter display
- Gauge dimensions: height 32cm, diameter 13.5cm
- Weight in air 5.75kg
- Supplied complete with 2 off M10 eyebolts
- Peli case dimensions: length 50cm, width 39cm, depth 24cm



**Equipment supplied as standard: Scotia Subsea Digital Gauge, Battery charger, Subcon On/Off plug, all supplied in a protective carry case.**

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