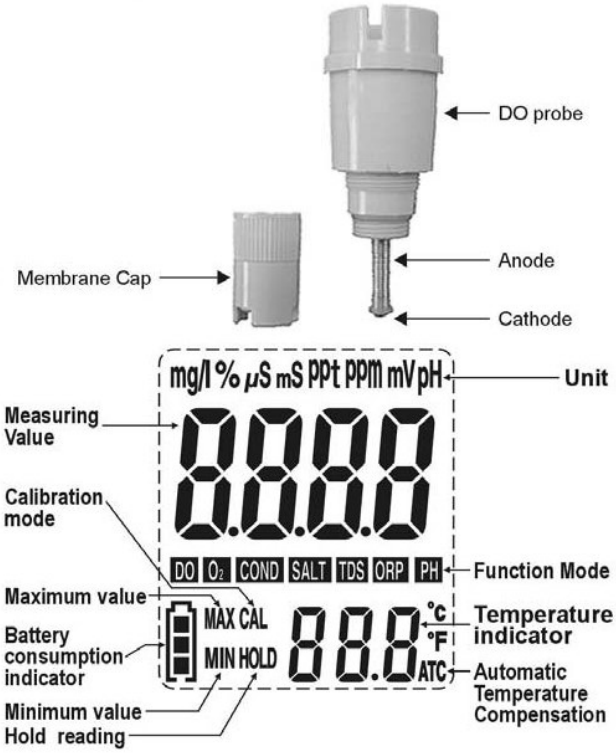
Device Description:

Probe Description:



Features:

- Handheld.
- Large LCD displays DO or O_2 and temperature simultaneaously.
- Waterproof IP57 housing that floats on water.
- Automatic temperature compensation, ^{O}C and ^{O}F switchable.
- Manual salinity and altitude compensation.
- Easy recognition DO, O_2, mg/L, ppm, %, ^{o}C, and ^{o}F icon.
- Displays maximum and minimum value.
- Datahold function.
- Low battery indication.
- Easy to replace probe.

Specifications:

	Opgeloste O_2	Verzadiging O_2	Temperatuur
Range	0-20 mg/L 0-20 ppm	0-200 %	0-50 ^{o}C
Accuracy	0,01 mg/L	+/- 2 %	0,1 ^{o}C
Resolution	0,01 mg/L	0,10 %	
Compensation	ATC 0-50 ^{o}C HZC : 0-50 ppt HLC : 0-20000 ft		

Standard accessoires:

DO meter, 2 mebrane caps, 50ml electrolyte, burette, lanyard, batteries, sandpaper, manual and carrying case.

A. Preparation:

1. Keep a clean cloth or tissue at hand.
2. Pull the blue protection cap from meter. NOTE: Do **not** unscrew the probe collar!
3. Carefully unscrew the transparent probe cap.
4. Fill the membrane cap with electrolyte. Folow steps F 8 - 14.
5. Remove the sponge. Use this moist sponse when storing the meter.
6. Turn the power on.

B. Calibration:

1. Unscrew the probe cap. Press CAL to turn the power on then press mode MODE and choose O_2 mode. Wait 15 minuten for the probe to polarize.

2. Hold the probe in the air, press and hold power CAL to enter calibration mode. **CAL** will appear in the display and then it will flash 101.7%. When this stops it indicates **SA** and then **END**. The Oxydent DO meter will return to measurement mode. ***The calibration is done.***

3. Optional 'ZERO OXYGEN' calibration. (improves measurement accuracy for very low or high DO measurements). Place the probe into a zero oxygen calibration solution, such as 5% sodium sulfite, wait for stability and press and hold CAL to enter calibration. Stability in a zero solution may take many minutes, depending on the probe history.

C. Measurements:

1. Make sure the Oxydent DO meter is prept and calibrated like explained in section A. and B.
2. Switch on the meter, select the desired mode, place the probe in the sample to be measured and stir it gently and wait untill you get a stable reading.

D. Functies:

Holding the measurement: Press hold H/M, **HOLD** will appear in the display and the measurement will be held. Re-press hold H/M to switch the hold function off.

Minimum and maximum measurements reading: Press and hold the hold H/M button untill the display flashes **MAX** and **MIN**. Let go of the hold button, by shortly pressing the hold button again the **MIN** and **MAX** measurement will show. Re-press the hold button to exit the function.

Switch between °C and °F: Hold the mode MODE button untill **°C** changes to **°F** or vice versa and let go of button.

E. Advanced settings:

SaLC (Salt compensation) 0 to 50 ppt *or* **ALtC** (Altitude compensation) 0 to 20000ft

1. Select **DO** mode with the mode MODE button.
2. Press and hold power CAL button to enter menu.
3. Press hold H/M button to select SaLC or AltC, confirm by pressing mode MODE.
4. Increase the value with hold H/M button and decrease with mode MODE button.
5. Press power CAL to exit.

F. Membrane Cap Replacement:

Warning!!

- *Never loosen the probe collar because this undoes the waterproofness.*
- *Never touch the membrane because the skin oils disruped the measurement.*
- *Only very gently polish the cathode because the surface might damage.*
- *Always leave the probe on the meter.*
- *Replace the electrolyte as it becomes yellow.*
- *Avoid airbubbles in the electrolyte because they cause incorrect measurements.*
- *Always calibrate the meter after replacing the membrane cap.*
- *Use the moist sponge when storing the meter to avoid desicatting of the mebrane.*

1. Keep a clean cloth or tissue at hand.
2. Pull the blue protection cap from the Oxydent DO meter.
3. Carefully unscrew the transparent probe cap.
4. Carefully unscrew the membrane cap.
5. Rinse off the old electrolyte from the membrane cap and put it in the trash.
6. Rinse the old electrolyte off the probe using clean water.
7. Gently polish the cathode by using the polishing paper.
8. Place the membrane cap upright on a clean tissue or cloth.
9. Fill the pipette with electrolyte by squeezing it and letting go while in the pot electrolyte.
10. Squeeze the pipette empty in the new membrane cap so that it fills up to the thread.
11. Tap with your finger gently on the membrane cap to allow bubbles to disperse.
12. Hold the membrane cap upright. Keep Oxydent DO meters with the probe down right above the membrane cap. Immerse the probe several times in the membrane cap to prevent air bubbles at the anode. Carefully screw the probe in the membrane cap.
13. It is usual that there is excess electrolyte spilling when the probe is tightened. This prevents air bubbles.
14. Check the new cap by switching on the meter and calibrating it according to step 2 setion "B. Calibrating". When no errors accure the cap is succefullt replaced.
15. Go to section "C. Measurements" to start using the meter!

Keyboard functions:

 POWER	❖ Press button to switch power on/off. ❖ Press and hold to enter calibration mode.
 MODE	❖ Press to swicht: DO mg/l, DO ppm, O2. ❖ Press and hold to change ^{o}C or ^{o}F .
 HOLD MAX&MIN	❖ Press to enter Hold mode. ❖ Press and hold to enter MIN & MAX mode than switch between MIN of MAX by pressing softly. ❖ Press and hold again to exit.