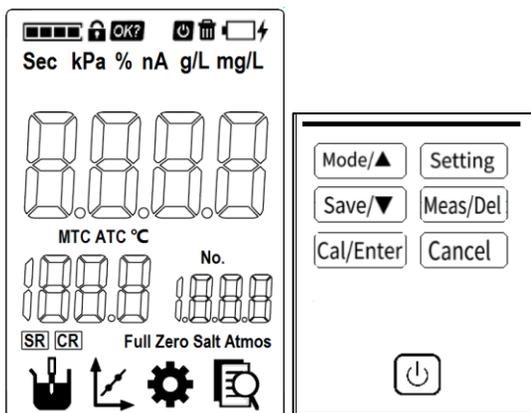


DO210E Dissolved Oxygen Meter Operation Quick Guide

1. Specification

Parameters: Dissolved oxygen, saturation, Temperature
 DO Range: (0.00-20.00) mg/L
 Saturation Range: (0.0-200.0) %

2. Screen Icons



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| Symbol | Explanation | Symbol | Explanation |
|-----------|---------------------------------|-----------|-------------------------------|
| Sec | Time unit, in Second | % | Saturation unit |
| kPa | Pressure unit | nA | Current unit |
| g/L | Salinity unit | mg/L | DO unit |
| SR | Auto-read | CR | continuous-read |
| MTC | Manual temperature compensation | ATC | Auto Temperature compensation |
| °C | Temperature Unit | Salt | Auto salt compensation |
| No. | No. | Atmos | Barometric |
| | Measurement | | Calibration |
| | Setting | | View |
| Zero | Zero oxygen calibration | Full | Air-saturation calibration |

3. Preparation

1. Install the DO electrode follow the steps:
 - 1) Take the cap off the electrodes, rinse the cap with DI water and dry out.
 - 2) Rinse the inner electrode with DI water and dry the electrode.
 - 3) Add the filling solution (electrolyte) into the membrane cap up to 3/4.

- 4) Install the cap onto the electrode.
2. Polarographic DO electrodes need to be polarized before use:
 - 1) Connect the DO electrode to the meter.
 - 2) Turn on the meter, wait for 1 hour and the electrode are auto polarized.
 - 3) When the electrodes are unplugged from the meter for no more than 1 hour, measurements are allowed after 25 minutes of polarization.

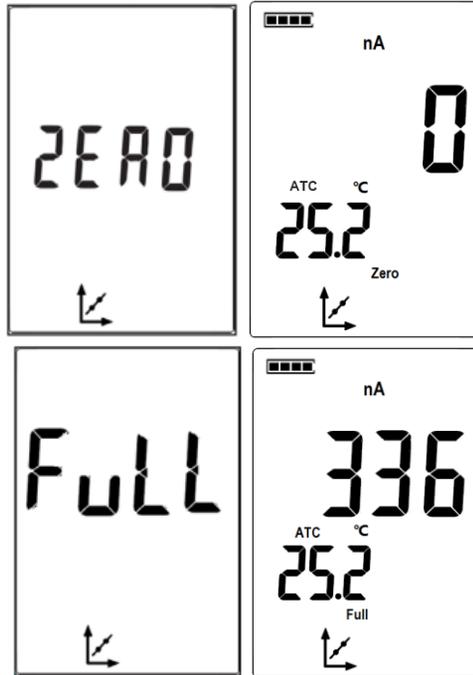
3. Prepare the samples and standards.

4. Calibration

1. Place the electrode into oxygen-free solution. Press “Cal/Enter” to calibrate. The meter shows “zero” as zero oxygen calibration state. After reading is stable, press “Enter” to complete the zero calibration.
2. Rinse the electrode with DI water again, place the probe in the upper part of a bottle filled with air-saturated (well shaken) water.
3. After the zero oxygen calibration, the meter back to air calibration.

| Symbol | Explanation | Symbol | Explanation |
|--------|--------------------|--------|-------------------|
| | Reading state | | Delete the result |
| | Reading is locked | | Power low |
| | Confirm the option | | Charging |
| | Automatic shutdown | | |

4. The meter shows "Full" to show the air calibration state. When reading is stable, press "Cal/Enter" to complete.



5. Measurement

1. Set the reading mode in the meter.
 - 1) In the idle status, press "Setting" to access the main setting menu.

- 2) Press the "Mode/▲" or "Save/▼" to highlight "1 SR CR" and press "Enter" key.
- 3) Press the "Mode/▲" or "Save/▼" to highlight SR or CR to set the desired the reading mode.
- 4) Press "Enter" key to save the setting and return to the idle status.

2. Put the electrode into test solution under test and shake the electrode gently in a circle, in a circular motion, or use a stirrer to avoid air bubbles during the process.
3. When the reading is stable, press "Mode/▲" to view the measurement result showing in other parameters.
4. When the reading is stable, read the results.
5. Press the "Save/▼" to save the measurement results.
6. In the measurement status, press the "Mode/▲" key to switch between DO, Saturation and Current results displayed.

Note 1: Please calibrate and polarized the electrode before the

measurement for an accurate measurement.

Note 2: The air press is set at 101.3kPa and the salinity is set as 0mg/L. See the manual for details on changes to these parameters.

