

DO400F Dissolved Oxygen Meter Operation Quick Guide

1. Specification

Parameters: Dissolved oxygen,
Saturation, Temperature

DO Range: (0.00-99.99) ppm

Saturation Range: (0.0-600.0) %

Temperature Range: (-10.0-135.0) °C

2. Screen Icons



Symbol	Explanation
1	Title
2	DO Measurement
3	Measurement box
4	Current information
5	Barometric information
6	Salinity information

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Symbol	Explanation
7	User ID
8	Operation explanation
9	System time.
10	Reading states
11	Temperature information
12	Calibration information
13	Sample ID
15	Function buttons

Symbol	Explanation
	Reading status, display the measurement status of reading, stable, locked each indicates that the processing, stable, and reading completed.
ATC	Automatic temperature compensation
MTC	Manual temperature compensation
Atmos	Air pressure compensation in DO measuring
Sali	Salinity compensation in DO measuring
STD	Standard solution
Zero	Zero Calibration

Symbol	Explanation
Full	Air Calibration
	User ID

3. Preparation

- Install the DO electrode follow the steps:
 - Take the cap off the electrodes, rinse the cap with DI water and dry out.
 - Rinse the inner electrode with DI water and dry the electrode.
 - Add the filling solution (electrolyte) into the membrane cap up to 3/4.
 - Install the cap onto the electrode.
- Polarographic DO electrodes need to be polarized before use:
 - Connect the DO electrode to the meter.
 - Turn on the meter, wait for 1 hour and the electrode are auto polarized.
 - When the electrodes are unplugged from the meter for no more than 1 hour,

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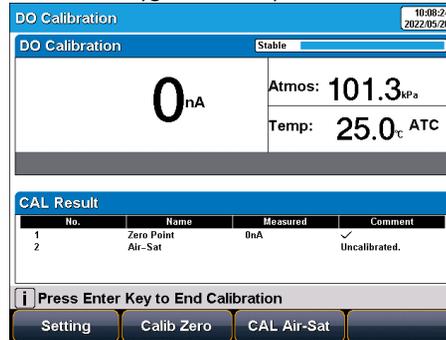
measurements are allowed

after 25 minutes of polarization.

3. Prepare the samples and standards.
4. Press "Setting" to select the measurement parameters.

4. Calibration

1. Press "Calibrate" to electrode calibration.
2. Press "Setting" to set the salinity and the atmosphere pressure.
3. Place the electrode into oxygen-free solution.
4. After the reading is stable, press the "Calib Zero" to start the zero calibration, and press the "Enter" to complete the zero calibration.
5. Rinse the electrode with DI water again, place the probe in the upper part of a bottle filled with air-saturated (well shaken) water.
6. When the reading is stable, press the "CAL Air-Sat" to start the air calibration, and press the "Enter" to complete the air calibration.



5. Measurement

1. Press "Setting" for parameter setting, select the reading mode.
2. Press F4 to measure. Put the rinsed 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. After the reading is stable, record the results.
4. Press the "Save" to save the measurement results
5. Press the "Output" to print the measurement result.

Note: Please calibrate and polarized the electrode before the measurement for an accurate measurement.

