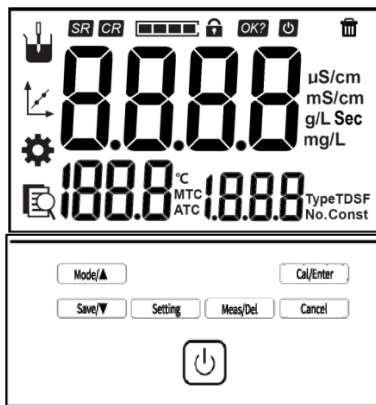


EC200E Conductivity Meter Operation Quick Guide

1. Specification

Parameters: Conductivity,
TDS, Temperature
Conductivity Range: 0.00μS/cm ~
200mS/cm
TDS Range: 0.00mg/L ~ 100g/L

2. Screen Icons



Symbol	Explanation	Symbol	Explanation
	Reading state	Sec	Time Unit
	Reading is locked	mg/L	TDS Unit
	Confirm the option	g/L	TDS Unit
	Automatic shutdown	μS/cm	Conductivity Unit
	Delete the result	mS/cm	Conductivity Unit
	Auto-read		

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Symbol	Explanation	Symbol	Explanation
MTC	Manual temperature compensation	ATC	Auto Temperature compensation
	continuous-read	°C	Temperature Unit
	Measurement	Const	Cell Constant
	Calibration	TDSF	TDS Conversion Factor
	setting	Type	Electrode Type
	View	No.	No.

3. Preparation

- 1 . Connect the EC electrode (e.g. k=1, with ATC) to the meter.
- 2 . Take off the electrode protection cap.
- 3 . Rinse the conductivity electrode with DI water, dry out.
- 4 . Switch on the meter.

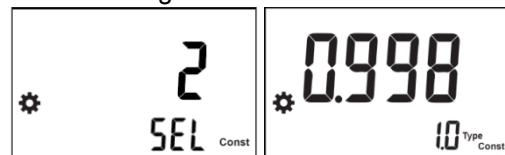
Note: The exact constant is attached to the cable in a new EC electrode.

4. Calibration

4.1. Cell Constant Setting

- 1 . In the idle status, press "Setting" to access the main setting menu.
- 2 . Press the "Mode/▲" or "Save/▼" to highlight "2 const" and press "Cal/Enter" key (e.g. k=1).

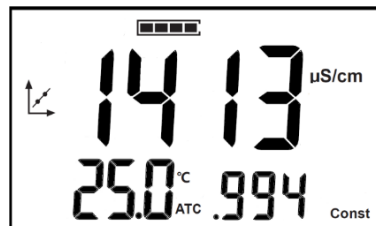
- 3 . Press "Setting" to exchange 1.0, 10 or 0.1 to set the desired constant type.
- 4 . Press the "Mode/▲" or "Save/▼" to adjust the constant (e.g. 0.998) and press "Cal/Enter"key to save the setting and return to the idle status.



4.2. Manual Calibration

- 1 . Set the desired constant type (e.g. k=1) as the 5.1 Cell Constant Setting.
- 2 . Prepare a standard conductivity solution(e.g. 1413μS/cm conductivity solution)
- 3 . Prepare a thermostatic bath, and set the temperature to (25.0±0.1)°C.
- 4 . Place a standard conductivity solution in a thermostatic bath, and set the temperature to (25.0±0.1) °C.
- 5 . Place the conductivity electrode into a standard solution.
- 6 . When the temperature shows (25.0±0.1)°C in the meter, press the "Cal/Enter" and enter into the calibration status.

- 7 . When the conductivity and temperature reading (e.g.1421 μ S/cm, 25.0 $^{\circ}$ C) are stable, press "Cal/Enter" to end the calibration and return to the measurement status.
- 8 . The meter saves calibration data automatically and shows the new Cell Constant in the constant setting.

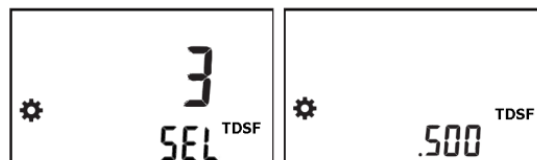


5. Measurement

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



- 2 . Set the parameter TDS in the meter.
 - 1) Press the "Mode/▲" or "Save/▼" to highlight "3 TDSF" and press "Cal/Enter" key.
 - 2) Press the "Mode/▲" or "Save/▼" to adjust TDS factor to set the desired TDS factor.
 - 3) Press"Cal/Enter" key to save the setting and return to the idle status.



- 3 . Rinse the conductivity electrode with DI water, dry out.
- 4 . Put the measurement end of the electrode into the sample solution.
- 5 . Press "Meas/Del" key to enter into measurement status.
- 6 . When the reading is stable, read the results.

- 7 . Press the "Save/▼" to save the measurement results.
- 8 . In the measurement status,press the "Mode/▲" to exchange the conductivity and TDS result.
- 9 . In the measurement status, press the "Save/▼" more than 3 second to access the data management.
- 10 . During measurement, stored EC electrode in distilled or deionized water.
- 11 . After measurement, rinse the EC electrode with deionized water thoroughly and put on the electrode protection cap.

Note: For accurate measurement, please calibrate and measure at the same temperature.

