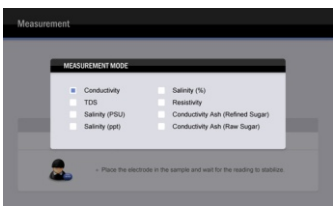
A Series Laboratory Conductivity/TDS/Salinity/Resistivity Meter

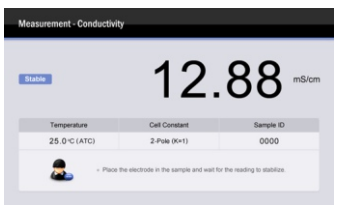
Measurement Parameters

- A150: Conductivity, TDS, salinity, resistivity, conductivity ash, temperature
- A151: Conductivity, TDS, salinity, resistivity, temperature

Features

- 1 to 3 points calibration with automatic recognition for conductivity standards
- Selectable cell constant is used for matching the connected electrode and recall factor
- Selectable reference temperature, TDS conversion factor, linear/non-linear/pure water compensations, seawater and practical salinity measurement modes
- Automatic temperature compensation corrects conductivity measurements to the reference temperature
- Auto-read function senses and locks the measurement endpoint
- Timed Interval Readings sends the measurement data to a PC or printer
- Limit Alarm automatically alerts when reading exceeds the specified range
- Calibration due alarm reminds the user to calibrate the meter regularly
- Calibration log shows the date, time, calibration point and factor
- Password protection prevents the unauthorized calibration and settings
- Expanded memory stores or recalls up to 1000 data sets
- Reset function automatically resumes all settings back to the factory defaults



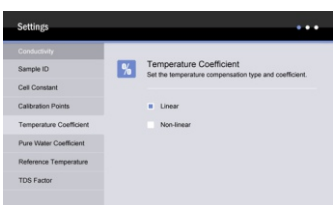


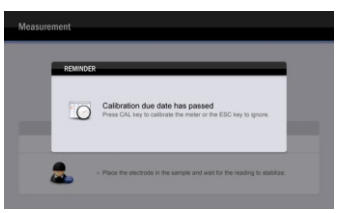
Optional Conductivity Electrodes

- CON-0.1: Suitable for measuring the low conductivity liquids (<10 µS/cm)
- CON-1 : Suitable for measuring the general water samples
- CON-10 : Suitable for measuring the high conductivity liquids (>20 mS/cm)

Ordering Information

- A150/151-**S**: Meter, CON-1 conductivity electrode, temperature probe, conductivity standard solutions, electrode holder, power adapter
- A150/151-**DL** : Meter, CON-0.1 and CON-1 conductivity electrodes, temperature probe, conductivity standard solutions, electrode holder, power adapter
- A150/151-**DH**: Meter, CON-1 and CON-10 conductivity electrodes, temperature probe, conductivity standard solutions, electrode holder, power adapter





Specifications

	Model		A150	A151
Conductivity	Range	0.01~20.00, 200.0, 2000 µS/cm, 20.00, 200.0 mS/cm	•	•
	Resolution	0.001, 0.01, 0.1, 1	•	•
	Accuracy	±0.5% F.S.	•	•
	Calibration	1 to 3 points	•	•
	Calibration Solutions	10 µS/cm, 84 µS/cm, 1413 µS/cm, 12.88 mS/cm, 111.8 mS/cm	•	•
TDS	Range	0~10.00, 100.0, 1000 mg/L, 10.00, 200.0 g/L	•	•
	Resolution	0.01, 0.1, 1	•	•
	Accuracy	±1% F.S.	•	•
	TDS Factor	0.1~1.0 (default 0.5)	•	•
Salinity	Range	0.00~80.00 ppt, 0.00~42.00 psu, 0.00~8.00%	•	•
	Resolution	0.01, 0.1, 1	•	•
	Accuracy	±1% F.S.	•	•
Resistivity	Range	0.00~30.00 MΩ	•	•
	Resolution	0.01, 0.1, 1	•	•
	Accuracy	±1% F.S.	•	•
Conductivity Ash	Range	0~100%	•	—
	Resolution	0.01, 0.1, 1	•	—
	Accuracy	±1% F.S.	•	—
	Measurement Modes	ICUMSA GS1/3/4/7/8-13, GS2/3-17	•	—
Temperature	Range	0~105°C/32~221°F	•	•
	Resolution	0.1°C/0.1°F	•	•
	Accuracy	±0.5°C/±0.9°F	•	•
	Offset Calibration	1 point, reading ±10°C	•	•
Other Specifications	Temperature Compensation	0~100°C, manual or automatic	•	•
	Temperature Coefficient	Linear (0.0~10.0%/°C), non-linear, pure water	•	•
	Reference Temperature	20/25°C	•	•
	Cell Constant	2-pole electrodes (K=0.1, 1, 10) or 4-pole electrode	•	•
	Stability Criteria	Standard or high-accuracy	•	•
	Calibration Due Alarm	1 to 31 days or off	•	•
	Interval Readings	10, 30, 60 seconds, 10, 30 minutes or off	•	•
	Password Protection	4 digits	•	•
	Memory	1000 data sets	•	•
	Communication Interface	USB	•	•
	Connector	6-pin nimi-DIN, 3.5 mm jack socket	•	•
	Display	7 inches TFT LCD	•	•
	Power Requirements	12V DC power adapter	•	•
	Dimensions	240(L)×220(W)×80(H) mm	•	•
	Weight	1.7 kg	•	•