

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 (0.1/1/10) for matching the connected electrode and recalling the calibration factor
- Selectable reference temperature, TDS conversion factor, linear/non-linear/pure water compensations, percent/seawater/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 send measurement data to a PC or printer
- Limit alarm automatically alerts when measurements exceed the specified range
- Calibration due alarm reminds users to calibrate the meter regularly
- Calibration log shows the date, time, calibration point and factor
- Password protection prevents unauthorized calibration and settings
- Expanded memory stores or recalls up to 1000 data sets
- DAS software is capable of receiving and exporting data to Excel
- Reset function automatically restores all settings to the factory defaults

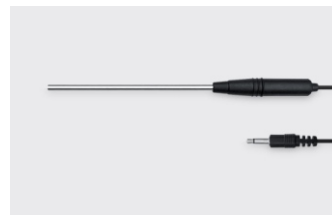


Optional Conductivity Electrodes

- CON-0.1: For measuring the pure water or low conductivity liquids ($<10\mu\text{S}/\text{cm}$)
- CON-1 : For measuring the general water samples
- CON-10 : For measuring the high conductivity liquids ($>20\text{mS}/\text{cm}$)

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...20.00, 200.0, 2000 μ S/cm, 20.00, 200.0 mS/cm	•	•
	Resolution	0.001, 0.01, 0.1, 1	•	•
	Accuracy	$\pm 0.5\%$ F.S.	•	•
	Calibration	1...3 points	•	•
	Calibration Solutions	10 μ S/cm, 84 μ S/cm, 1413 μ S/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	$\pm 1\%$ 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	$\pm 1\%$ F.S.	•	•
Resistivity	Range	0.00...30.00 M Ω	•	•
	Resolution	0.01, 0.1, 1	•	•
	Accuracy	$\pm 1\%$ F.S.	•	•
Conductivity Ash	Range	0...100%	•	—
	Resolution	0.01, 0.1, 1	•	—
	Accuracy	$\pm 1\%$ F.S.	•	—
	Measurement Methods	ICUMSA GS2/3-17, GS1/3/4/7/8-13	•	—
Temperature	Range	0...105°C/32...221°F	•	•
	Resolution	0.1	•	•
	Accuracy	$\pm 0.5^\circ\text{C}/\pm 0.9^\circ\text{F}$	•	•
	Offset Calibration	1 point, reading $\pm 10^\circ\text{C}$	•	•
General	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	K=0.1/1/10	•	•
	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 mini-DIN, 3.5mm jack socket	•	•
	Display	7 inches TFT LCD	•	•
	Power Supply	12V DC power adapter	•	•
	Dimensions	240(L)×220(W)×80(H)mm	•	•
	Weight	1.7 kg	•	•