

# A150/151 Professional Conductivity/TDS/Salinity Meter

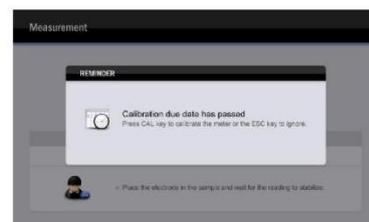
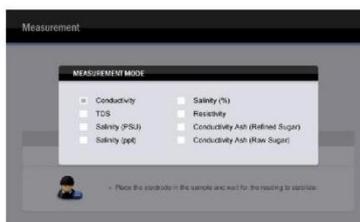


## MEASUREMENT PARAMETERS

- A150 meter: Conductivity, TDS, Salinity, Resistivity, Conductivity Ash, Temperature
- A151 meter: Conductivity, TDS, Salinity, Resistivity, Temperature

## FEATURES

- 1 to 5 points push-button calibration, automatically recognizes the calibration solutions.
- Selectable cell constant is matched the connected conductivity electrode and recalled the calibration data.
- Selectable linear temperature compensation coefficient, pure water compensation coefficient, reference temperature and TDS conversion factor.
- Automatic Temperature Compensation corrects the conductivity measurement to selected reference temperature.
- Limit alarm alerts when reading exceeds range.
- Calibration Due Reminder prompts user to calibrate the meter regularly.
- Calibration report provides the details of the calibration standard and cell constant.
- Stability indicator shows when a measurement is recognized as stable.
- Auto-Read feature senses and locks the measurement endpoint.
- Interval Readings automatically send the measured data to the computer or printer.
- Password protection prevents the unauthorized calibration and settings.
- Expanded memory stores and recalls up to 1000 data sets.
- Stored readings can be transferred into the computer by USB communication interface.
- Reset feature automatically resumes all settings back to factory default options.



## METER INCLUDES

Conductivity electrode (range: 10 $\mu$ S/cm to 20mS/cm), temperature probe, standard solutions (84 $\mu$ S/cm, 1413 $\mu$ S/cm, 12.88mS/cm), electrode holder, power adapter.

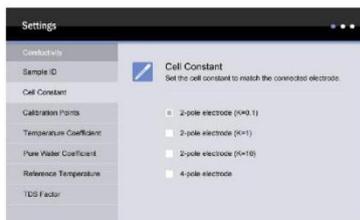
## OPTIONAL ELECTRODES

CON-0.1 Conductivity Electrode (K=0.1):

Suitable for measuring the low conductivity liquids (<10 $\mu$ S/cm), e.g., pure water.

CON-10 Conductivity Electrode (K=10):

Suitable for measuring the high conductivity liquids (>20mS/cm), e.g., seawater.





Model		A150	A151
Conductivity - Measuring Range	0.01–20.00, 200.000 $\mu$ S/cm, 20.00, 200.0mS/cm*	•	•
Conductivity - Accuracy	$\pm$ 0.5% FS	•	•
Conductivity - Resolution	0.001, 0.01, 0.1, 1	•	•
Conductivity - Calibration Points	1–3 points (10 $\mu$ S/cm, 84 $\mu$ S/cm, 1413 $\mu$ S/cm, 12.88mS/cm, 111.8mS/cm)	•	•
TDS - Measuring Range	0.00mg/L–100.00g/L (Max. 200g/L)*	•	•
TDS - Accuracy	$\pm$ 1% FS	•	•
TDS - Resolution	0.01, 0.1, 1	•	•
TDS - TDS Factor	0.01 – 1.00(Default 0.5)	•	•
Salinity - Measuring Range	0.00–80.00ppt, 0.00–42.00ppt, 0.00–8.00%*	•	•
Salinity - Accuracy	$\pm$ 1% FS	•	•
Salinity - Resolution	0.01, 0.1, 1	•	•
Salinity - Measurement Modes	Practical Salinity (psu), Natural Seawater (ppt) or %	•	•
Resistivity - Measuring Range	0.00–30M $\Omega$ *	•	•
Resistivity - Accuracy	$\pm$ 1% FS	•	•
Resistivity - Resolution	0.01, 0.1, 1	•	•
Conductivity Ash - Measuring Range	0.00–100%*	•	—
Conductivity Ash - Accuracy	$\pm$ 1% FS	•	—
Conductivity Ash - Resolution	0.01, 0.1, 1	•	—
Conductivity Ash - Measurement Modes	Refined Sugar or Raw Sugar	•	—
Temperature - Measuring Range	0–105°C, 32–221°F	•	•
Temperature - Accuracy	$\pm$ 0.5°C, $\pm$ 0.9°F	•	•



Temperature - Resolution	0.1°C, 0.1°F	•	•
Temperature - Calibration Points	1 point	•	•
Temperature - Temperature Compensation	0–100°C, 32–212°F, Manual or Automatic	•	•
General - Cell Constant	2-pole electrodes (K=0.1, 1, 10) or 4-pole electrode	•	•
General - Temperature Coefficient	Linear (0.0–10.0%/°C), Non-linear or Pure water compensation	•	•
General - Reference Temperature	20°C or 25°C	•	•
General - Data Hold	Manual or Auto-Endpoint	•	•
General - Stability Criteria	Standard or High-accuracy	•	•
General - Interval Readings	10, 30, 60 seconds, 10, 30 minutes or Off	•	•
General - Calibration Due Alarm	1 to 31 days or Off	•	•
General - Memory	Stores up to 1000 data sets	•	•
General - Output	USB communication interface	•	•
General - Display	7 inch TFT LCD	•	•
General - Power Requirements	DC12V/2A power adapter	•	•
General - Dimensions and Weight	249(L)×220(W)×80(H)mm, 1.7kg	•	•