Portable Conductivity/Resistivity Meter

SC-110

Features:

- Light, handy, easy-to-use, IP65 water proof & low power consumption
- Auto self-test function, error code indication
- Large LCD display with temperature indication
- Auto-Read function
- Salinity and TDS correction function
- Temp. compensation: non-Linear compensation for resistivity or pure water measurement, Linear compensation for conductivity measurement
- Calibration can be set for cell constant manually or up to 5-point automatic recognition of standard solutions
- Temperature compensation with PT-1000 or NTC probe auto recognition
- Gradually continuous sample measurements average function to enhance stability
- Auto save the measurement with programmable time interval setting, min. 5 seconds
- Data-logger with memory for 450 data sets
- Built-in real time clock for auto power-off & data logger
- RS-232 interface for print or saved data transfer or time-interval measurement output

SUNTEX
ISO 9001 Certified

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Specifications:

Model	SC-110
Measuring mode	Conductivity, Resistivity, Salinity, TDS, Temperature
Measuring range — Conductivity	0.00μS/cm~200.0mS/cm in 5 range for auto switch or manual switch
Measuring range — Resistivity	0.00~100.00MΩ·cm
Measuring range — Salinity	0.0~70.0ppt
Measuring range — TDS	0~2000ppm
Measuring range — Temperature	-10°C~110°C
Resolution & Accuracy — Conductivity	0.01μS/cm, ±0.5% (±1digit)
Resolution & Accuracy — Resistivity	0.01MΩ·cm, ±1% (±1digit)
Resolution & Accuracy — Salinity	0.1 ppt, ±0.5% (±1digit)
Resolution & Accuracy — TDS	1 ppm, ±0.5% (±1digit)
Resolution & Accuracy — Temperature	0.1°C, ±0.2°C (±1digit)
Temperature Compensation	Automatic with PT-1000 or NTC 30K or manual adjustment
Temperature Coefficient	Non-Linear / 0.00~10.00% Linear
Reference Temperature	T_{ref} 25°C
Manual Calibration	Single point of known or cell constant calibration
Standard solution Calibration	Single or up to 5 points known standard solution calibration; default 5 standard solutions: 10 / 84 / 1413 μS/cm & 12.88 / 100 mS/cm adjustable
Display	1/2" LCD display
RS-232 interface	Single way transfer the data to a computer or a printer
RS-232 interface	Dual way by Modbus protocol
Data storage	Auto/Manual, 450 sets (measurement, temp., time, date, ID, number)
Power Supply	4 x AA Batteries
Battery Life	Around 350~1000 hours according to measuring range; auto-shut down within 10 mins. without operation
Dimensions	185mm x 98mm x 38mm
Weight	0.35kg
Protection	IP 65

*The specifications and appearance of the instrument are subject to change without notice.

Optional accessories:

- 4-electrode conductivity probe
- Resistivity probe C=0.01
- Resistivity probe C=0.05
- Connection cable 1.2M or 3M
- RS-232 connection cable
- Flexible electrode holder
- Flow chamber
- Plastic carrying case