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ZCM-101 ABA

BENCHTOP CONDUCTIVITY
METER



Benchtop Conductivity Meter

- Selectable reference temperature, TDS conversion factor, linear/non-linear/pure water compensations, seawater and practical salinity measurement modes.
- Reset function automatically resumes all settings back to the factory defaults.
- Password protection prevents the unauthorized calibration and settings.
- Timed Interval Readings sends the measurement data to a PC or printer.
- 1 to 3 points calibration with automatic recognition for conductivity standards.
- Automatic temperature compensation ensures accurate readings over the entire range.
- Auto-Read function senses and locks the measurement endpoint.
- Selectable cell constant for matching the connected conductivity electrode or recalling the calibration factor.
- Expanded memory stores or recalls up to 1000 data sets.

Specifications

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Conductivity Range	0.01~20.00, 200.0, 2000 μ S/cm, 20.00, 200.0mS/cm
Conductivity Resolution	0.001, 0.01, 0.1, 1
Conductivity Accuracy	\pm 0.5% F.S.
Conductivity Calibration Points	1 to 3 points
Conductivity Calibration Solutions	10 μ S/cm, 84 μ S/cm, 1413 μ S/cm, 12.88mS/cm, 111.8mS/cm
TDS Range	0~10.00, 100.0, 1000mg/L, 10.00, 200.0g/L
TDS Resolution	0.01, 0.1, 1
TDS Accuracy	\pm 1% F.S
TDS Factor	0.1-1.0 (default 0.5)

Salinity Range	0.00~80.00ppt, 0.00~42.00psu, 0.00~8.00%
Salinity Resolution	0.01,0.1,1
Salinity Accuracy	±1% F.S.
Resistivity Range	0.00~30.00MΩ
Resistivity Resolution	0.01,0.1,1
Resistivity Accuracy	±1% F.S.
Conductivity Ash Range	0-100%
Conductivity Ash Resolution	0.01,0.1,1
Conductivity Ash Accuracy	±1%F.S.
Conductivity Ash Measurement Modes	Refined sugar or raw sugar
Temperature Range	0-105°C/32-221°F
Temperature Resolution	0.1°C/0.1°F
Temperature Accuracy	±0.5°C/±0.9°F
Temperature Offset Calibration	1 point, reading ±10°C
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 mini-DIN,3.5mm jack socket
Display	7 inches TFTLCD
Power Requirements	DC 12V power adapter
Dimensions	240(L)×220(W)×80(H)mm
Weight	1.7kg

Standard Accessories	Meter, CON-0.1 and CON-1 conductivity electrodes, temperature probe, conductivity standard solutions, electrode holder, power adapter.
Optional Conductivity Electrodes	CON-0.1: Suitable for measuring the low conductivity liquids (< 10 μ S/cm). CON-1: Suitable for general purpose applications (10 μ S/cm~20 mS/cm). CON-10: Suitable for measuring the high conductivity liquids (> 20mS/cm).