ZCM-103 ABB

BENCHTOP CONDUCTIVITY METER

Benchtop Conductivity Meter

The conductivity meter is a water quality analysis instrument developed for high-end water quality management and automatic control of medical multi-effect distilled water systems, boiler bottom water, condensate water, and heat exchange systems operating in higher temperature environment.

- 5.7 inches high resolution LCD display.
- Reset feature automatically resumes all settings back to factory default options.
- IP54 waterproof.
- Settable parameters, including cell constant, temperature compensation coefficient and TDS
- factor.
- Automatic/Manual temperature compensation ensures accurate results.
- Temperature compensation type (none, linear, pure water).
- Support for USB or RS-232 communication.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Data storage for 500 sets (GLP-compliant).
- Auto-hold feature senses and locks the measurement endpoint.
- 1-3 points calibration with standard recognition.

Specifications	ZCM-103 ABB
Conductivity Range	0.000 µS/cm to 1000 mS/cm
Conductivity Resolution	0.001 µS/cm minimum,various with range selection
Conductivity Accuracy	±0.5% FS
Reference Temperature	20, 25 °C
Conductivity Calibration Points	Up to 3

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Standard Recognition	84µS/cm, 1413µS/cm, 12.88mS/cm
Resistivity Range	5.00 Ω·cm~100.00 MΩ·cm
Resistivity Resolution	0.01 Ω·cm minimum
Resistivity Accuracy	±0.5% FS
TDS Range	0.00ppm~1000ppt
TDS Resolution	0.01 ppm minimum, various with range selection
TDS Accuracy	±0.5% FS
Salinity Range	0.0~80.0 ppt
Salinity Resolution	0.1ppt
Salinity Accuracy	± 1ppt
Temperature Range	-10 to 135 °C, 14 to 275 °F
Temperature Unit	°C, °F
Temperature Resolution	0.1
Temperature Accuracy	±0.1
Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
Reading Prompts	Reading, Stable, Locked
Temperature Compensation	ATC, MTC
Data Storage	500 results each
GLP Features	Yes
Conductivity with Temp. Probe	5-pin aviation connector
USB	USB 2.0 flash memory device, PC
RS 232	printer
Backlight	Yes
Auto Shutdown	1~60 min, off
IP Rating	IP54
Date and Time	Yes
Electricity	AC Adapter, 100-240V AC input, DC9V output
Dimensions	242×195×68 mm
Weight	900g

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**Packing List
(Standard Configuration)**

Conductivity Meter
Conductivity Electrode Range: 2-20000µS/cm, with temperature compensation. K=1 ATC. With Five-core aviation plug
Conductivity standard 1413µS/cm(50mL)
REX-5 electrode stand
Power adapter DC 9V(European plug model, QD24-0902000-A1)
Universal USB cable
Dust cover (Key function version)
Operation quick guide
Instruction manual

Standard Accessories

Conductivity Electrode Range: 2-20000µS/cm, with temperature compensation. K=1 ATC. With Five-core aviation plug
1413µS/cm
Conductivity Standard Solution 1 bottle (50ml/bottle)
REX-5 Multifunctional Electrode Holder