

**zygon**

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# ZCM-100 AAA

BENCHTOP CONDUCTIVITY  
METER



## Benchtop Conductivity Meter

- Classical bench top conductivity meter is equipped with a backlit LCD display.
- 1 to 3 points calibration with automatic recognition for conductivity standards.
- Automatic temperature compensation corrects conductivity measurement to reference temperature.
- Auto-Read function senses and locks the measurement endpoint.
- Setup menu allows to set the number of calibration points, cell constant, temperature coefficient, auto-power off, etc.
- Reset function automatically resumes all settings back to the factory defaults

### Application

- Water and wastewater treatment
- Research and educations
- Chemical industry and other laboratory applications

### Specifications

#### ZCM-100 AAA

Conductivity Range	0.01 to 20.00, 200.0, 2000 $\mu$ S/cm, 20.00, 200.0mS/cm
Conductivity Resolution	0.001, 0.01, 0.1, 1
Conductivity Accuracy	$\pm$ 1% F.S.
Conductivity Calibration Points	1 to 3 points
Conductivity Calibration Solutions	10 $\mu$ S, 84 $\mu$ S, 1413 $\mu$ S, 12.88mS, 111.8mS
Temperature Range	0 to 105°C/32 to 221°F
Temperature Resolution	0.1°C/0.1°F
Temperature Accuracy	$\pm$ 1°C/ $\pm$ 1.8°F

Temperature Offset Calibration	1 point
Temperature Calibration Range	Reading $\pm 10^{\circ}\text{C}$
Temperature Compensation	0 to $100^{\circ}\text{C}$ /32 to $212^{\circ}\text{F}$ , manual or automatic
Temperature Coefficient	Linear (0.0 to $10.0\%/^{\circ}\text{C}$ )
Reference Temperature	$25^{\circ}\text{C}$
Cell Constant	$K=0.1, 1, 10$ or custom
Hold Function	Manual or auto-endpoint
Connector	6-pin mini-DIN, 3.5mm jack socket
Display	Custom LCD (120 $\times$ 60mm)
Power	DC9V, using AC adapter, 220V/50Hz
Dimensions	210(L) $\times$ 205(W) $\times$ 75(H)mm
Weight	1.5kg
Standard Accessories	0 ~ 100 $\mu\text{S}/\text{cm}$ Platinum Conductivity Electrode 10 $\mu\text{S}/\text{cm}$ ~20 $\text{mS}/\text{cm}$ Platinum Conductivity Electrode 0 ~ $100^{\circ}\text{C}$ Temperature Probe DC9V Power Adapters