

QC-511 Conductivity meter

Measure conductivity, TDS, salinity and resistivity of water solutions, suitable for industrial and mining factories, water treatment engineering and environmental protection, especially for outdoor use.



Main Features

- Large LCD screen with controllable white backlight.
- Built-in microprocessor chip with functions of auto calibration, auto temperature compensation, data storage, function setup, self-diagnosis, auto shut off, low voltage display.
- Auto recognition of standard pH buffers and there are three kinds of standard buffers for option: USA series, NIST series.
- Adopt advanced conductivity measurement technology, one-point calibration of conductivity electrode can meet the measuring accuracy requirements for test $0.5\mu\text{ S/cm} \sim 200\text{mS/cm}$.
- Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- Conductivity mode has the function of non-linear temperature compensation for high purity water.
- Humanized designs like rack and skid proof shell make it more convenient for users.
- Plastic conductivity electrode with automatic temperature compensation to ensure fast and accurate result.
- Grade IP57 and provide optional carrying case.

Technical Specification:

Conductivity	Measuring range	Conductivity: (0.00~19.99) $\mu\text{S/cm}$ (20.0~199.9) $\mu\text{S/cm}$ (200~1999) $\mu\text{S/cm}$ (2.00~19.99) mS/cm (20.0~199.9) mS/cm TDS: (0 ~ 100) g/L Salinity: (0~100) ppt Resistivity: (0 ~ 100) $\text{M}\Omega\cdot\text{cm}$
	Resolution	0.01/0.1/1 $\mu\text{S/cm}$ 0.01/0.1 mS/cm
	Accuracy	Electrode: $\pm 1.0\%$ FS Instrument: $\pm 1.5\%$ FS
	Temperature compensation	(0~100) $^{\circ}\text{C}$ (automatic)
	Electrode constants	0.1/1/10 cm^{-1}
	Reference temperature	25 $^{\circ}\text{C}$, 20 $^{\circ}\text{C}$, 18 $^{\circ}\text{C}$
Others	Data storage	200 sets
	Storage contents	Series number, measuring value, measuring unit and temperature
	Power	Two AA batteries (1.5V)
	Size & Weight	160 \times 90 \times 30mm/360g (instrument) 480 \times 300 \times 60mm/1KG (with packing)
Working Conditions	Ambient temperature	(5 ~ 35) $^{\circ}\text{C}$
	Ambient humidity	$\leq 85\%$
	IP grade	IP57

Standard Configuration:

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|------------------------------|--------|
| 1. QC-511 Conductivity meter | 1 unit |
| 2. Conductivity electrode | 1 pc |
| 3. Backup AA battery | 2 pcs |
| 5. Operation manual | 1 copy |