

# 510 Benchtop Conductivity Meter



## MEASUREMENT PARAMETERS

Conductivity, Total Dissolved Solids, Temperature

## FEATURES

- 1 to 3 points push-button calibration, automatically recognizes the calibration solutions.
- Selectable cell constant (0.1/1/10), temperature coefficient and TDS conversion factor.
- Automatic Temperature Compensation provides accurate reading over the entire range.
- Auto-Hold feature senses and locks the measurement endpoint.
- Manual temperature calibration corrects the temperature deviation.
- Setup menu allows setting the 6 parameters, including the number of calibration points, temperature unit, etc.
- Reset feature automatically resumes all settings back to factory default options.

## METER INCLUDES

Conductivity electrode (range: 0.01 to 20mS/cm), temperature probe, standard solutions (84µS/cm, 1413µS/cm, 12.88mS/cm), electrode holder, power adapter.

## OPTIONAL ELECTRODES

CON-0.1 Conductivity Electrode (K=0.1):

Suitable for measuring the low conductivity liquids (<10µS/cm), e.g., pure water.

CON-10 Conductivity Electrode (K=10):

Suitable for measuring the high conductivity liquids (>20mS/cm), e.g., seawater.

## SPECIFICATION

	Model	510
Conductivity	Measuring Range	0.01 ~20.00, 200.0, 2000µS/cm, 20.00, 200mS/cm
	Accuracy	±1% F.S
	Resolution	0.001, 0.01, 0.1, 1
	Calibration Points	1~3 points (10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm)
TDS	Measuring Range	0~10.00, 100.0, 1000ppm, 10.00, 100ppt (Max. 200ppt)
	Accuracy	±1% F.S
	TDS Factor	0.01~1.00 (Default 0.5)
Temperature	Measuring Range	0~105°C, 32~221°F
	Accuracy	±1°C
	Resolution	0.1°C, 0.1°F
	Calibration Points	1 point
General	Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic
	Temperature Coefficient	0.0~10.0%/°C
	Cell Constant	K=0.1, 1, 10
	Power Requirements	DC9V, using AC adapter, 220VAC/50Hz
	Dimensions and Weight	210(L)×205(W)×75(H)mm, 1.5kg