

P-511 Portable 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 power off, low voltage display.
- Auto recognition of 8 standard conductivity solutions and there are two series of standard buffers for option: USA series, China series.
- Adopt advanced conductivity measurement technology, one point calibration of conductivity electrode can meet the measuring accuracy requirements for test $0.5\mu\text{S}/\text{cm} \sim 200\text{mS}/\text{cm}$.
- 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.



Specifications

MODEL		P-511
Display		Large LCD screen with controllable white backlight
Conductivity	Measuring range	Conductivity: (0.00~19.99) $\mu\text{S}/\text{cm}$ (20.0~199.9) $\mu\text{S}/\text{cm}$ (200~1999) $\mu\text{S}/\text{cm}$ (2.00~19.99) mS/cm (20.0~199.9) mS/cm Resistivity: (0~100) $\text{M}\Omega\cdot\text{cm}$ TDS: (0~100) g/L Salinity: (0~100) ppt
	Resolution	0.01/0.1/1 $\mu\text{S}/\text{cm}$ 0.01/0.1 mS/cm
	Accuracy	Electrode: $\pm 1.0\%$ FS, Instrument: $\pm 1.50\%$ FS
	Temp compensation range	(0~100) $^{\circ}\text{C}$ (Automatic)
	Electrode constant	0.1/1/10 cm^{-1}
	Reference temperature	25 $^{\circ}\text{C}$, 20 $^{\circ}\text{C}$, 18 $^{\circ}\text{C}$
Other parameters	Data storage	150 sets
	Storage contents	Series number, measuring value, measuring unit and temperature
	Power	Two AA batteries(1.5V)
	Size & Weight	160×90×30mm/360g (instrument) 380×310×120mm/1.5kg (with packing)
Working conditions	Environment Temperature	(5~35) $^{\circ}\text{C}$
	Environment Humidity	$\leq 85\%$
	IP grade	IP54

Standard Configuration

1. P-511 Conductivity/TDS/Salinity/Resistivity meter	1 unit
2. Conductivity electrode	1 pc
3. Temperature electrode	1 pc
4. Backup AA battery	2 pcs
5. Operation manual	1 copy