



## P-520 Portable PH /Conductivity Meter



### Main Features

- Large LCD screen with controllable white backlight.
- Humanized designs like rack and skid proof shell make it more convenient for users.
- Double-parameter and equipped with pH electrode and conductivity electrode, can recognize electrode automatically.
- 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 standard pH buffers and there are three series of standard buffers for option: USA, NIST and China.
- Able to set pH measurement modes of high purity water and pure water with ammonia.
- Auto recognition of 8 standard conductivity buffers 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  $0.5\mu\text{ S/cm} \sim 200\text{mS/cm}$ .
- 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.
- IP57 and equipped with calibration solution and carrying case.

## Specifications

PH	Measuring range	(-2.00 ~ 19.99) pH
	Resolution	0.1/0.01 pH
	Accuracy	±0.02 pH
	Input current	≤2×10 <sup>-12</sup> A
	Input impedance	≥1×10 <sup>12</sup> Ω
	Stability	±0.01 pH/3h
	Temp compensation	(0 ~ 100)°C (automatic)
mV	Measuring range	-1999mV ~ 0 ~ 1999mV
	Resolution	1 mV
	Accuracy	±0.1% FS
Conductivity	Measuring range	Conductivity: (0.00 ~ 19.99) μS/cm (20.0 ~ 199.9)μS/cm (200~1999)μS/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) MΩ·cm
	Resolution	0.01/0.1/1μS/cm, 0.01/0.1 mS/cm
	Accuracy	Electrode: ±1.0% FS, Instrument: ±1.5%FS
	Temp compensation	(0 ~ 100)°C (automatic)
	Electrode constants	0.1/1/10 cm <sup>-1</sup>
	R e f e r e n c e temperature	25°C, 20°C, 18°C
Others	Data storage	200 groups
	Storage contents	Series number, measuring value measuring unit and temperature
	Power	Two AA batteries(1.5V×2)
	Dimensions & Weight	160×90×30mm/360g (instrument) 480×300×60mm/1KG (with packing)
Working Condition	Ambient temperature	(5 ~ 35)°C
	Ambient humidity	≤85%
	IP grade	IP57

**Standard Configuration**

1. P-520 pH/Conductivity meter	1 unit
2. pH electrode	1 pc
3. Conductivity electrode	1 pc
4. Temperature electrode	1 pc
5. pH buffer (pH4.00, pH6.86, pH9.18/50ml)	1 set
6. Backup AA battery	2 pcs
7. Operation manual	1 copy