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 and China standards.

- Adopt advanced conductivity measurement technology, one point calibration of conductivity electrode can meet the measuring accuracy requirements for test 0.5μS/cm ~ 200mS/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.

Specifications

MODEL		P-520
pH	Measuring range	(-2.00 ~ 19.99) pH
	Resolution	0.1/0.01 pH
	Accuracy	±0.02 pH
	Input current	$\leq 2\times 10^{-12}$A
	Input impedance	$\geq 1\times 10^{12}\Omega$
	Stability	±0.01 pH/3h
	Temperature compensation	(0~100)℃ (automatic)
mV	Measuring range	-1999.9mV~0~1999.9mV
	Resolution	1mV
	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 range	(0~100)℃ (automatic)
	Electrode constant	0.1/1/10 cm^{-1}
	Reference temperature	25℃, 20℃, 18℃
Other	Data storage	150 groups
	Storage contents	Series number, measuring value, measuring unit and temperature
	Power	Two AA batteries(1.5V×2)
	Size & Weight	160×90×30mm/360g (instrument) 380×310×120mm/1.5kg (with packing)
Working conditions	Ambient temperature	(5~35)℃
	Ambient humidity	≤85%
	IP grade	IP57