



# P-521

## Portable pH/DO Meter



Suitable for industrial and mining factories, power plant, aquaculture and environmental protection, especially for outdoor purposes.

### Main Features

- Large LCD screen with controllable white backlight.
- Humanized designs like rack and skid proof shell make it more convenient for users.
- Built-in microprocessor chip with functions of auto calibration, auto temperature compensation, data storage, function setup, self-diagnosis, auto power off, low voltage display.
- Double-parameter and equipped with pH electrode and DO electrode, can recognize electrode automatically.
- 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.
- DO mode has functions of ATC, auto salinity compensation and auto pressure compensation.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously and equipped with special DO electrode calibration sleeve, only need 3~5 minutes for polarization.
- IP57 and equipped with calibration solution.



## Specifications

MODEL	P-521	
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
	Temperature compensation	(0~100) °C (automatic)
mV	Measuring range	-1999.9mV~0~1999.9mV
	Resolution	1mV
	Accuracy	±0.1% FS
Conductivity	Measuring range	(0~20.00) mg/L(ppm), (0 ~ 200.0)%
	Resolution	0.1/0.01 mg/L(ppm), 1/0.1 %
	Accuracy	± 0.3%, ±0.40 mg/L
	Response time	≤30s (25 °C, 90% response)
	Residual current	≤0.1 mg/L
	Temperature compensation	(0~100) °C (automatic)
	Salinity compensation	(0~45) ppt (automatic)
	Pressure compensation	(66~200) kPa (manual)
	Automatic calibration	Air saturated by water, water saturated by air
	Electrode type	Polarographic
Others	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) °C
	Ambient humidity	≤85%
	IP grade	IP57

## Standard Configuration

1. P-521 pH/DO meter	1 unit	2. pH electrode	1 pc
3. DO electrode	1 pc	4. Temperature electrode	1 pc
5. Standard pH buffer(pH4.0, pH6.86, pH9.18/50ml)			3 bottles
6. Membrane cap	3 pcs	7. Electrolyte	1 bottle
8. Backup AA battery	2 pcs	9. User manual	1 copy