

Portable Conductivity/TDS/Salinity Meter



PH-520/530/531/540

PH-520 Features:

- * 1 to 3 points calibration with automatic recognition for conductivity standards.
- * Automatic electrode diagnosis shows the calibration points and factors .
- * Selectable cell constant, reference temperature, linear/non-linear and pure water compensation modes.
- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Auto-Read function senses and locks the measurement endpoint.
- * Setup menu allows setting the number of calibration points, temperature unit, auto-power off, etc.
- * Reset function automatically resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 100 data sets.
- * USB communication interface for data transfer or connecting a power adapter to meter.

PH-530/531/540 Features:

- * 1 to 5 points calibration with automatic recognition for conductivity standards.
- * Automatic electrode diagnosis shows the calibration points and factors.
- * Selectable cell constant, reference temperature, TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes.
- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Auto-Read function senses and locks the measurement endpoint.
- * Calibration due alarm prompts user to calibrate the meter regularly.
- * Auto-Power Off effectively conserves battery life.
- * Setup menu allows setting the number of calibration points, stability criteria, temperature unit, date and time, etc.
- * Reset function automatically resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 500 data sets.
- * USB communication interface is easy to transfer data to PC.
- * Multi-mode powerscheme (batteries, power adapter and USB port) ensures that using the meter smoothly.

Accessories:

Meter, CON-1 conductivity electrode, temperature probe, standard solutions and carrying case.

Technical Parameters:

Model	PH-520	PH-530	PH-531	PH-540	
Conductivity	Range	Standard	CON-1: 2μs/cm~20000μs/cm		
		Optional	CON-0.01: 0.01μs/cm~0.1μs/cm; CON-0.1: 0.1μs/cm~2μs/cm; CON-10: 20000μs/cm~200ms/cm		
	Accuracy	±0.5% F.S.			
	Resolution	0.001, 0.01, 0.1, 1			
	Calibration Points	1 to 3 points (PH-520), 1 to 5 points (PH- 530/531/540)			
Calibration Solutions	10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm				
TDS	Range	/	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt	/	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt
		Accuracy	/	±1% F.S.	/
	Resolution	/	0.01, 0.1, 1	/	0.01, 0.1, 1
	TDS Factor	/	0.1~1.0 (default 0.5)	/	0.1~1.0 (default 0.5)
Salinity	Range	/	0.00~42.00psu, 0.00~80.00ppt		
	Accuracy	/	±1% F.S.		
	Resolution	/	0.01		
Resistivity	Range	/	0.00~20.00MΩ		
	Accuracy	/	±1% F.S.		
	Resolution	/	0.01		
Temperature	Range	0~105°C/32~221°F			
	Accuracy	±0.5°C/±0.9°F			
	Resolution	0.1°C/0.1°F			
Other Specifications	Offset Calibration	1 point, reading ±10°C			
	Temperature Compensation	0~100°C, manual or automatic			
	Temperature Coefficient	Linear (0.0~10.0%/°C), non-linear, pure water			
	Reference Temperature	20/25°C			
	Cell Constant	K=0.1, 1, 10			
	Stability Criteria	/	Low or high		
	Calibration Due Alarm	/	1 to 31 days or off		
	Hold Function	Manual or auto-endpoint			
	Auto-Off	30 minutes after last key pressed (PH-520), 10, 20 or 30 minutes after last key pressed (PH-530/531/540)			
	Memory	100 data sets(PH-520), 500 data sets(PH-530/531/540)			
	Communication Interface	USB			
Connector	6-pin mini-DIN, 3.5mm jack socket				
Display	Custom LCD (80*60mm)				
Power Requirements	3× 1.5V AA batteries or DC5V power adapter				
Battery Life	Approximately 150 hours (Turn off the backlight)				
Dimensions(mm)	170*85*30mm				
Weight(kg)	300g				
Package Size(W*D*H)mm	475*155*350mm				
Gross weight(kg)	2kg				