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 orconnecting 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, stabilitycriteria,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.	/	±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			
	Offset Calibration		1 point, reading ±10°C			
Other Specifications	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 nimi-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			