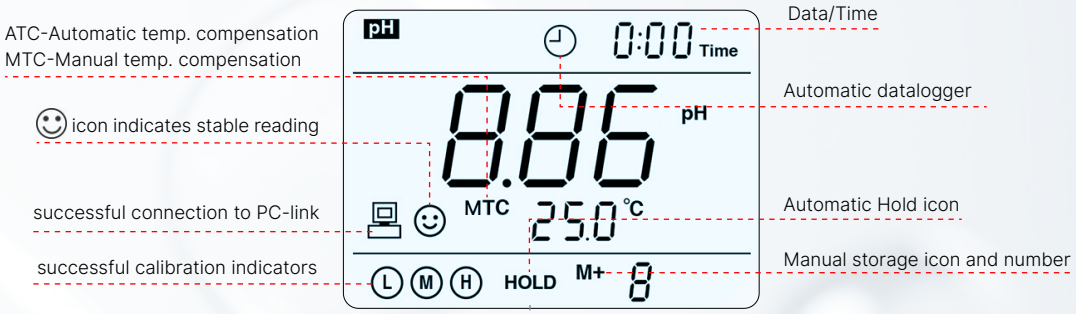
8500 Premium Series Portable Meters

- **PH8500 pH Meter**
- **EC8500 Conductivity Meter**
- **PC8500 pH/Conductivity Meter**

Main Features

- Simultaneous measurement of pH and conductivity/TDS/Salinity/Resistivity.
- Quick and easy 1- to 3-point auto. calibration with slope data display and self-diagnosis
- Manual/Auto. GLP data logger with USB data output



Large LCD screen with white backlight.

Combo electrodes for multi-parameter test

IP57 waterproof rating

USB port for data/power

PC link software for data analysis

Use with foldable stand

PH8500 Portable pH Meters for Specialized Applications

PH8500-DP pH Meter (Liquid Food pH test)

Electrode: LabSen 823 ATC pH electrode
Electrode Feature: Protelyte electrolyte and silver-ion-trap reference prevents junction clogs in protein-containing samples.
Application: liquid food e.g. milk, yogurt, cream, sauce, jam, etc.

PH8500-FT pH Meter (Flat Surface Test)

Electrode: : LabSen 373 ATC Flat pH electrode
Electrode Feature: Flat glass membrane, suitable for flat surface pH measurement.
Application: skin, textiles, paper, and small-volume samples etc.

PH8500-MS pH Meter (Small-volume pH test)

Electrode: LabSen 242-6 ATC pH electrode
Electrode Feature: dimension of the sensor is Φ6×100mm, fast-response S membrane
Application: measurement for small volume samples (minimum volume: 60μL) and in test tubes.

PH8500-MT pH Meter (Meat pH test)

Electrode: LabSen 763 ATC Spear pH electrode
Electrode Feature: food grade titanium sheath and blade, polymer electrolyte.
Application: fresh meat, frozen meat, and meat products.

PH8500-PW pH Meter (Purified water pH test)

Electrode: LabSen 803 ATC pH electrode
Electrode Feature: movable sleeve junction, and L-type membrane designed for pure water and low ion concentration water solutions.
Application: drinking/distilled/RO/deionized/boiler/storm/surface water

PH8500-WW pH Meter (Dirty Liquid pH test)

Electrode: LabSen333 ATC pH electrode
Electrode Feature: Open junction+polymer electrolyte, high-resistance for contamination
Application: wastewater, suspensions, suspensions, slurries, and other dirty liquids.

PH8500-SS pH Meter (Solid Food pH test)

Electrode: LabSen 753 ATC Spear pH electrode
Electrode Feature: food-grade stainless steel sheath, open junction for soft-solid food samples.
Application: cheese, dough, fruit, sushi rice, etc.

PH8500-SL pH Meter (Soil pH test)

Electrode: LabSen553 ATC Spear pH electrode
Electrode Feature: PVC housing, spear sensor for direct soil test.
Application: soil (direct test, no slurry needed).

PH8500-SA pH Meter (Strong Alkalis solutions pH test)

Electrode: LabSen 843 ATC pH Electrode
Electrode Feature: HA Glass Membrane
Application: High-Precision pH measurement in strong alkaline solutions (12-14 pH) and high-salinity solutions (>5000ppm/0.5%)

PH8500-HT pH Meter (High-Temp Liquid and Caustic Solutions)

Electrode: LabSen 863 ATC pH Electrode
Electrode Feature: Special PHY membrane and PTFE junction
Application: High-accuracy pH measurement of corrosive and high-temp. solutions such as electroplating solutions.

PH8500-HF pH Meter (Strong Acid solutions pH test)

Electrode: LabSen 833 ATC pH Electrode
Electrode Feature: Special HF glass membrane
Application: solutions containing Hydro fluoride acid or other strong acids.

PH8500-BR pH Meter (Beverage Making)

Electrode: LabSen 213 ATC pH electrode
Electrode Feature: LabSen S type hemispherical glass membrane, fast response and high robustness
Application: Beverage making (beer, wine, juice, kombucha, etc.)

	Model	PH8500	PC8500	EC8500
Parameter		pH/mV/Temp.	pH/mV/Cond./TDS/Sal/Temp.	Cond./TDS/Sal/Temp.
pH	Range	-2.00 to 16.00 pH		/
	Resolution	0.1/0.01 pH		/
	Accuracy	±0.01 pH±1 digit		/
	Temp. Compensation	0 to 100°C (32 to212°F), automatic or manual		/
	Automatic calibration	1 to 3 points		/
	Buffer standard series	USA/NIST/Customized		/
	Calibration reminder	Yes		/
	Calibration date checking	Yes		/
	Stability criterion setting	Yes		/
mV	Range	-1999 mV to 1999 mV		/
	Resolution	±0.1/1 mV		/
	Accuracy	±0.1% F.S		/
Cond.	Range	/	0 to 200.0 mS/cm	
	Resolution	/	0.01/0.1/1 μS, 0.01/0.1 mS	
	Accuracy	/	±1%F.S	
	Electrode constant	/	0.1/1.0/10.0 cm^{-1}	
	Auto temp. compensation	/	0 to 50°C (32 to122°F)	
	Reference temperature	/	15 to 30°C	
	Temp. compensation coefficient	/	0 to 9.99%/°C	
	Calibration	/	1 to 3 points automatic	
	Calibration standard series	/	Standard/Customized	
	Calibration reminder	/	Yes	
	Calibration date checking	/	Yes	
TDS	Range	/	0 ppm to 100 ppt	
	TDS conversion factor	/	0.40 to 1.00	
Salinity	Range	/	0 to 100 ppt	
Temp.	Range	0 to 100°C (32.0 to 212°F)		
	Resolution	0.1°C, 0.1/1°F		
	Accuracy	±0.5°C, ±1.0°F		
Function	Display	LCD (white backlight)		
	Stable reading indicator	with ☺ icon		
	Automatic hold	Yes		
	Date and time	Yes		
	Data storage	500 sets		
	Auto. timing data logger	Yes		
	Self-diagnosis information	Yes		
	USB output	Yes		
	Electrode Connection	pH: BNC; Conductivity: 4 pin connector; Temp: RCA		
	IP Rating	IP57 waterproof		
Others	Power	AA battery (1.5V×3) / USB		
	Dimension/weight meter only	88×170×33mm/313g		
	Dimension/weight with case	360×270×76mm/1.3kg		