

850 Value Series Portable Meters



- PH850 pH Meter
- EC850 Conductivity Meter
- PC850 pH/Conductivity Meter



Main Features

- Quick and easy 1- to 3-point auto. calibration
- Slope data display reminds of the pH electrode condition
- Simultaneous measurement of pH/conductivity/TDS/Temp.
- Complete settings for standard series, resolution, stability criteria, conductivity cell constant, TDS conversion factor, and more



PH850 Portable pH Meters for Specialized Applications

Portable pH meters for special applications

PH850-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.	PH850-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.
PH850-MS pH Meter (Micro volume measurement)  Electrode: LabSen 242-6 ATC pH electrode Electrode Feature: dimension of the sensor is $\Phi 6 \times 100\text{mm}$, fast-response S membrane Application: measurement for small volume samples (minimum volume: 60μL) and in test tubes.	PH850-MT pH Meter (Meat pH test)  Electrode: LabSen 763 ATC Spear pH electrode Electrode Feature: food grade stainless steel sheath and blade, solid electrolyte, suitable for solid food samples. Application: fresh meat, frozen meat, and meat products.
PH850-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	PH850-WW pH Meter (Waste water pH test)  Electrode: LabSen 333 ATC pH electrode Electrode Feature: Open junction+polymer electrolyte, high-resistance for contamination Application: waste water, suspensions, suspensions, slurries
PH850-SS pH Meter (Soft-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.	PH850-SL pH Meter (Soil pH test)  Electrode: LabSen 553 ATC Spear pH electrode Electrode Feature: PVC housing, spear sensor for direct soil test. Application: soil (direct test, no slurry needed).
PH850-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%)	PH850-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.
PH850-HF pH Meter (Strong Acid solutions pH test)  Electrode: LabSen 833 ATC pH Electrode Electrode Feature: Special HF glass membrane Application: solutions containing Hydro fluo-ride acid or other strong acids.	PH850-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	PH850	PC850	EC850
Parameter		pH/mV/Temp.	pH/mV/Cond./TDS/Temp.	Cond./TDS/Temp.
pH	Range	0 to 14.00 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	USA/NIST		/
	Stability setting	Yes		/
mV	Range	±1000mV		/
	Resolution	1mV		/
	Accuracy	±0.2% FS ±1 digit		/
Cond.	Range	/	0 to 200.0mS/cm	
	Resolution	/	0.01/0.1/1µS, 0.01/0.1mS	
	Accuracy	/	±1%F.S±1 digit	
	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	/	Standard	
TDS	Range	/	0.1 mg/l to 100 g/l	
	TDS coefficient	/	0.40 to 1.00	
Salinity	Range	/	No	
Temp.	Range	0 to 100°C, 32.0 to 212 °F		
	Resolution	0.1°C, 0.1/1°F		
	Accuracy	±0.5°C±1 digit, ±0.9°F±1 digit		
Function	Display	LCD (no backlight)		
	Stable measuring indication	with 😊 icon		
	Automatic hold	Yes		
	Date and time	N/A		
	Data storage	N/A		
	Auto. timing datalogger	N/A		
	Self-diagnosis	Yes		
	USB output	N/A		
	Electrode connection	pH: BNC; Conductivity: 4 pin connector; Temp: RCA		
Others	IP rating	IP57 waterproof		
	Power	AA battery (1.5V×3)		
	Dimension/weight only meter	88×170×33mm/313g		
	Dimension/weight with case	360×270×76mm/1.3kg		