

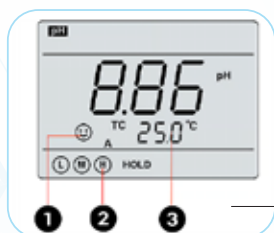
QUIMICOMPANY

EQUIPOS E INSUMOS PARA LABORATORIO

APERA
INSTRUMENTS

PORTABLE PH METER FOR HIGH-TEMPERATURE, COMPLEX, AND CAUSTIC SOLUTIONS

REF: PH850-HT



1. Stability icon. Take the reading when the smiley face stays on screen.
2. Icons for finished calibrations
3. Simultaneous temperature display



With calibration guide and self diagnosis function



IP57 waterproof rating



Operation guide on the back

Rubber boot protection



Rubber caps protecting the connectors



Foldable holder;
Use as a benchtop meter.



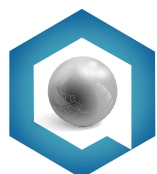
Ergonomic design

- Quick and easy 1- to 3-point auto. calibration
- Slope data display reminds of the pH electrode condition

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Portable pH meters for special applications



PH850-HT Portable pH Meter Kit

Equipped with Swiss LabSen 863 pH/Temp. Electrode for high-temp liquid and caustic solutions

Easy 1-3 points of pH calibration, automatically recognizing pH standards of 1.68, 4.00, 7.00, 10.01, and 12.45.

Electrode characteristics

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.



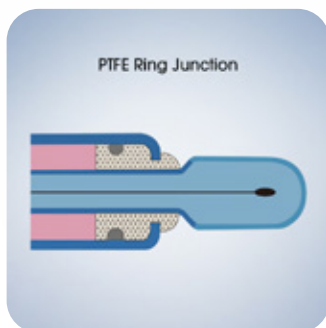
Special PHY membrane

The special PHY membrane is highly resistant to chemical corrosions, maximizing the reliability and service life of the electrode in complex and high-temp. solution testing.



PTFE Ring Junction

The PTFE ring junction prevents junction clogs from complex chemicals.



Silver-ion-trap reference system

The combination of a Long-life reference system and a silver ion trap. The silver ion trap will absorb all the exuded Ag^+ , ensuring that there's no Ag^+ in the reference electrolyte, and avoiding junction clogs caused by samples containing sulfides, proteins or TRIS buffer solutions.



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PORTABLE PH METER FOR HIGH-TEMPERATURE, COMPLEX, AND CAUSTIC SOLUTIONS

REF: PH850-HT

Complete test Kit



1. User manual
2. Carrying case
3. LabSen 861 pH Electrode
4. Screw driver
5. PH850 meter
6. pH 10.01 calibration solution
7. pH 7.00 calibration solution
8. pH 4.00 calibration solution
9. MP500 Temp. Electrode

Technical specifications

Parameters		Description
pH	Range	0 to 14 pH
	Resolution	0.01/0.1 pH
	Accuracy	±0.01 pH ±1 digit
	Temperature compensation	0 to 100°C (32 to 212°F) (Auto or Manual)
	Automatic calibration	1 to 3 points
	Buffer standard	USA/NIST
	Stability setting	Yes
mV	Range	± 1000 mV
	Resolution	1 mV
	Accuracy	±0.2% F.S ±1 digit
Temp.	Range	0 to 100°C (32 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
IP rating		IP57 waterproof

*other specifications on the next page

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**PORTABLE PH METER FOR HIGH-TEMPERATURE,
COMPLEX, AND CAUSTIC SOLUTIONS**

REF: PH850-HT

Technical specifications

Parameters		Description
Others	Power	AA battery (1.5V×3)
	Dimension/weight only meter	88×170×33mm/313g
	Dimension/weight with case	360×270×76mm/1.3kg
pH Electrode (LabSen 863) Specs	Housing Material	Lead-free glass
	Temperature sensor	30KΩ NTC
	Junction	PTFE ring
	Reference Electrode	Silver ion trap reference system
	Electrolyte	3M KCL
	Shape of glass membrane	Cylindrical PHY
	Range	1 to 13 pH
	Temperature Range	0 to 130°C
	Connector	BNC and RCA