

QUIMICOMPANY

EQUIPOS E INSUMOS PARA LABORATORIO

APERA
INSTRUMENTS

PORTABLE PH METER FOR HIGH TEMPERATURE LIQUID AND CAUSTIC SOLUTIONS; DATALOGGER

REF: PH8500-HT



Large LCD screen with white backlight.



IP57 waterproof rating



USB port for data/power



Foldable holder; Use as a benchtop meter.



Electrode



PC link software for data analysis

- Quick and easy 1- to 3-point auto. calibration with slope data display and self-diagnosis
- GLP data logger with USB data output

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PORTABLE PH METER FOR HIGH TEMPERATURE LIQUID AND CAUSTIC SOLUTIONS; DATALOGGER

REF: PH8500-HT

Portable pH meters for special applications



PH8500-HT Portable pH Meter

Equipped with the Swiss LabSen 861 pH Electrode, which is built with LabSen's most robust PHY glass membrane and anti-clogging PTFE junction along with a Silver-ion-trap reference system, making reliable pH measurement of high-temperature liquid and caustic solutions easier than ever.

Electrode characteristics

LabSen 863

Powered by sensor technologies and key materials from Switzerland, LabSen 863 pH/temp. Electrode, which is built with LabSen's most robust PHY glass membrane and anti-clogging PTFE junction along with a Silver-ion-trap reference system, making reliable pH measurement of high-temperature liquid and caustic solutions easier than ever.



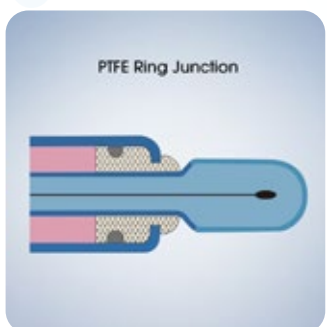
Special PHY membrane

The special PHY membrane is highly resistant to chemical corruptions, 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

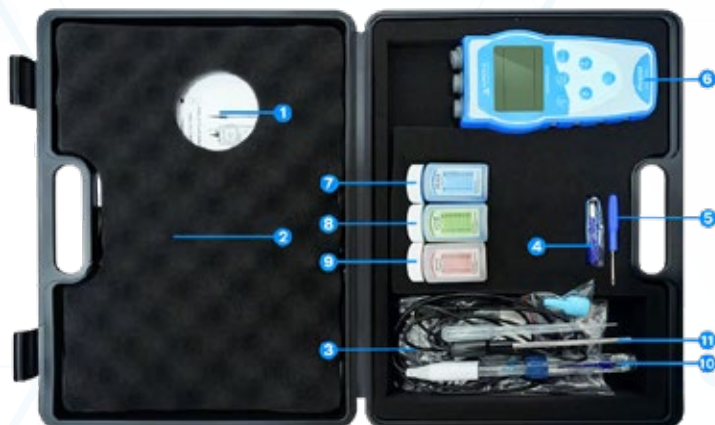
The combination of a Long-life reference system and a silver ion trap. The silver ion trap will absorb all the exuded Ag^+ , ensuring that there's no Ag^+ in the reference electrolyte, and avoiding junction clogs caused by samples containing sulfides, proteins or TRIS buffer solutions.



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Complete test Kit



1. User manual
2. Carrying case
3. USB cable
4. Software flash drive
5. Screw driver
6. PH8500 meter
7. pH 10.01 calibration solution
8. pH 7.00 calibration solution
9. pH 4.00 calibration solution
10. LabSen 861 pH Electrode
11. MP500 Temp. Electrode

Technical specifications

Parameters		Description
pH	Range	-2.00 to 16.00 pH
	Resolution	0.1/0.01 pH
	Accuracy	±0.01 pH±1 digit
	Temperature compensation	0 to 100°C (32 to 212°C), automatic or manual
	Automatic calibration	1 to 3 points
	Buffer standard	USA/NIST/Customized
	Calibration reminder	Yes
	Calibration date checking	Yes
mV	Stability setting	Yes
	Range	-1999 mV to 1999 mV
	Resolution	±0.1/1 mV
Function	Accuracy	±0.1% FS
	Display	LCD (white backlight)
	Stable measuring indication	with icon
	Automatic hold	Yes
	Date and time	Yes
	Data storage	500 sets
	Timing storage	Yes
	Self-diagnosis information	Yes
	USB output	Yes
	Electrode connection	pH: BNC; Conductivity: 4 pin connector; Temp: RCA
IP rating		IP57 waterproof

*other specifications on the next page

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REF: PH8500-HT

Technical specifications

Parameters		Description
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
Others	Power	AA battery (1.5V×3) / USB
	Dimension/weight only meter	88×170×33mm/313g
	Dimension/weight with case	360×270×76mm/1.3kg
pH Electrode (Lab-Sen 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