

QUIMICOMPANY

EQUIPOS E INSUMOS PARA LABORATORIO

APERA
INSTRUMENTS

PORTABLE PH METER FOR DAIRY PRODUCTS AND LIQUID FOOD

REF: PH8500-DP



Large LCD screen with white backlight.



IP57 waterproof rating



USB port for data/power



Foldable holder; Use as a benchtop meter.



Electrode



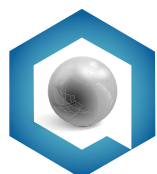
PC link software for data analysis

- 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 DAIRY PRODUCTS AND LIQUID FOOD

REF: PH8500-DP

Portable pH meters for special applications



PH8500-DP Portable pH Meter Kit

Designed for professional pH measurement of dairy products (milk, buttermilk, cream, yogurt, etc.) and other liquid food such as jam, BBQ sauce, etc. with the help of the LabSen 823 pH/Temperature Electrode. Also suitable for general water solutions.

GLP Data Logging and Data Management

Auto. or manual data logging with GLP data management (500 sets of data storage) and USB data output for further analysis and report.

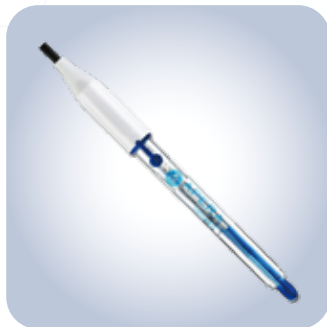
Easy Calibration

Quick and easy 1 to 3 points of auto. pH calibration, recognizing pH standards of 1.68, 4.00, 7.00, 10.01, 12.45. The self-diagnosis function ensures pH calibration will be

Electrode characteristics

LabSen 823

Powered by sensor technologies and key materials from Switzerland, Apera LabSen 763 Titanium-body Blade Spear pH/Temp. Electrode is designed for direct pH test of meats.



Specialized Electrolyte

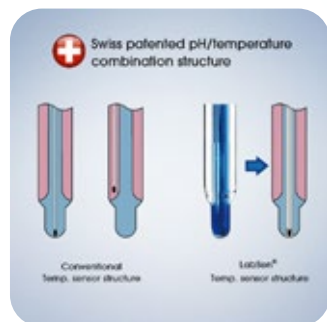
Apera's proprietary blue gel inner solution does not flow at all, which means it will never generate air bubbles. The electrode can work well even when being held upside-down. It is not only more convenient to use, but also improves the measurement accuracy by eliminating heat convection in the inner glass membrane.

The Protelyte outer electrolyte used in the electrode is made for protein containing solutions to prevent junction clogs.



Swiss patented pH/temperature combination structure

Increases the temperature response time by 40% compared to a conventional isolated built-in thermistor, accelerating ATC and the stabilization process.



Silver-ion-trap reference system

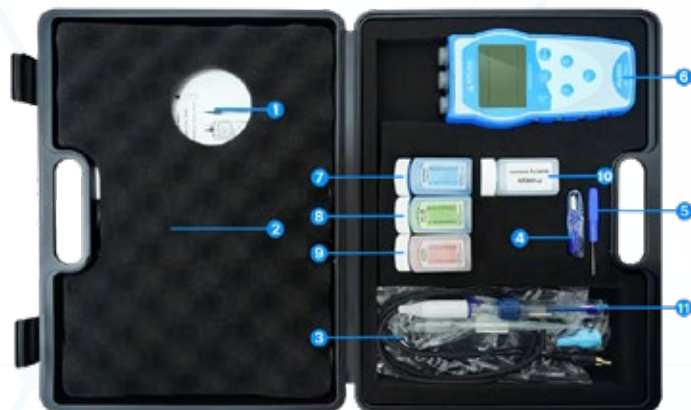
The combination of a Long-life reference system and a silver ion trap. The silver ion trap will absorb all the exuded Ag^+ , ensuring that there's no Ag^+ in the reference electrolyte, and avoiding junction clogs caused by samples containing sulfides, proteins or TRIS buffer solutions.



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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. Protelyte soaking solution
11. LabSen 823 pH/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-DP

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 (LabSen 823) Specs	Housing Material	Lead-free glass
	Temperature sensor	Yes
	Junction	Ceramic*3
	Reference Electrode	Silver ion trap
	Electrolyte	Protelyte
	Shape of glass membrane	Hemispherical
	Range	0 to 14pH
	Temperature Range	-5 to 100°C (32 to 212°F)
	Connector	BNC and RCA