

QUIMICOMPANY

EQUIPOS E INSUMOS PARA LABORATORIO

APERA
INSTRUMENTS

PORTABLE PH METER FOR BEVERAGE MAKING; DATALOGGER

REF: PH8500-BR



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

☎ (601) 300 3161 + (57) 316 532 6905

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PORTABLE PH METER FOR BEVERAGE MAKING; DATALOGGER

REF: PH8500-BR

Portable pH meters for special applications



PH8500-BR Portable pH Meter

Designed for professional pH measurement of for beverage making, such as beer, wine, kombucha, coffee, juice, etc. The equipped LabSen® 213 3-in-1 Glass pH/Temperature Electrode adopts a Long-Life reference system, and a patented pH/temp. dual sensor structure, making precise beverage pH measurement easier than ever. It's also working well in high-temperature samples (up to 212°F), so you don't have to wait for the beverage samples to cool down. The unique LabSen blue hemispheric glass membrane has a faster response rate, better repeatability, and built tough - highly resistant to general impact (totally differentiates from the fragile conventional glass bulb membrane).

Electrode characteristics

LabSen 213 Glass 3-in-1 pH/Temperature Electrode

Powered by sensor technologies and key materials from Switzerland, Apera LabSen 213 Glass 3-in-1 pH/Temperature Electrode, designed for professional quality control of beverage making (beer, wine, juice, kombucha, etc.).



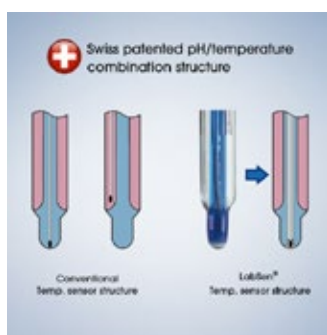
Specialized Electrolyte

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.



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.



Long-Life Reference System

Composed of a glass tube, AgCl, and a reference silver wire. The top end of the slim glass tube is stuffed with cotton, which prevents the reaction between AgCl and electrolyte when the temperature changes. It improves the stability of reference system and extends the service life of the electrode.



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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. Reference soaking solution
11. LabSen 213 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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**PORTABLE PH METER FOR BEVERAGE
MAKING; DATALOGGER**

REF: PH8500-BR

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 213) Specs	Housing Material	Lead-free glass
	Temperature sensor	Yes
	Junction	Ceramic
	Reference Electrode	Long-Life Reference System
	Electrolyte	3M KCL
	Shape of glass membrane	Hemispherical
	Range	0 to 14 pH
	Temperature Range	-5 to 100°C (32 to 212°F)
	Connector	BNC and RCA