

PH700-SA Benchtop pH Meter for strongly alkaline/high-salinity solutions



Main Features

- Equipped with the Apera LabSen 843 pH/temp. electrode, developed for professional pH measurement of strongly alkaline solutions (>pH 12) and/or solutions with high salinity (>5 ppt/5000 ppm/0,5%). It also performs well in general aqueous solutions.
- Automatic calibration mode with on-screen calibration guidance and self-diagnosis
- Modern digital technology delivers fast and stable readings
- Electrode holder and calibration solutions included
- Splash-proof (IP54 rating)

What's in the Kit

PH700 pH Meter	1
LabSen 843 pH/temp. electrode	1
Calibration solutions (pH 4,00; pH 7,00; pH10,01; 50 ml each)	1 each
Electrode holder	1
Manual	1
Power adapter	1

Technical Parameters

pH	Measuring range	0,00 to 14,00
	Resolution	0,1/0,01
	Accuracy	$\pm 0,01 \pm 1$ digit
	Calibration	Automatic 1- to 3-point calibration
	Electrode connector	BNC
	Temp.-Compensation	0 to 100 °C (automatic or manual)
mV	Measuring range	± 1999 mV
	Resolution	1 mV
	Accuracy	$\pm 0,1 \% \text{ F.S.} \pm 1$ digit
Temperature	Measuring range	0 to 100 °C
	Resolution	0,1 °C
	Accuracy	$\pm 0,5 \text{ °C} \pm 1$ digit
	Connector	RCA
Other	Memory capacity	50 groups
	Stored values	Number, reading, unit, temperature
	Power adapter	DC 9 V/ 300 mA
	IP rating	IP54
	Dimensions	24 × 23,5 × 10,3 cm (with case 30 × 25 × 8 cm)
	Weight	1 kg (with case 1,8 kg)
	Electrode connectors	BNC (pH), RCA (temperature)

Technical Parameters (Electrode)

Measuring range	(1 ~ 14) pH	Electrolyte	3M KCl
Recommended operating temperature	(0 ~ 130) °C	Storage solution	3M KCl
Shaft material	lead-free glass	Membrane impedance	<500MΩ
Glass membrane type	HA	Electrode dimensions	(Ø12×120) mm
Reference system	Silver ion trap	Connector	BNC/RCA
Junction	Ceramic	Cable	Ø5 mm×1 m
Temperature sensor	NTC 30kΩ		