

PH8500-SL pH Meter for soil (direct measurement)



Main Features

- Equipped with the pointed LabSen 553 pH electrode for direct soil measurements
- Silicone sleeve provides a secure, firm grip and protects against impacts
- Water- and dust-proof (IP57) for use in harsh environments
- Fold-out stand for comfortable indoor operation
- Fast and easy 1- to 3-point calibration
- Large backlit LCD simultaneously shows the pH value and temperature, plus additional measurement and calibration information
- Self-diagnosis assists with calibration and troubleshooting
- GLP data management (500 memory groups) with data output via USB, including real-time logging

Technical Parameters

pH	Measuring range	-2,00 to 16,00
	Resolution	0,1/0,01
	Accuracy	±0,01 (±1 digit)
	Calibration Points	1 to 3 points
	Temp.-Compensation	0 to 100 °C (automatic or manual)
mV	Measuring range	± 2000 mV
	Resolution	0,1/1 mV
	Accuracy	± 0,1 % F.S (± 1 digit)
Temperature	Measuring range	0 to 100 °C
	Resolution	0,1 °C
	Accuracy	±0,5 °C
Other	Power supply	3 × AAA Batteries
	IP rating	IP57
	Dimensions	88×170×33 mm (with case 360×270×76 mm)
	Weight	313 g (with case 1,3 kg)
	Electrode connector	BNC (for pH and ORP), RCA (for temperature)
	Interface	USB
	Memory capacity	500 records

Technical Parameters (Electrode)

Measuring range	(0 ~ 14) pH	Electrolyte	Polymer
Operating temperature	(0 ~ 80)°C	Storage solution	3M KCl
Shaft material	PVC plastic	Membrane impedance	<250 MΩ
Glass membrane type	S	Electrode dimensions	Electrode (Ø15×90) mm Sensor tip (Ø6×25) mm
Reference system	Long-life	Connector	BNC/RCA
Junction	Ceramic + single pore	Cable	Ø5 mm×1 m
Temperature sensor	NTC 30kΩ		

What's in the Kit

PH8500 pH Meter	1
LabSen 553 pH/temp. electrode	1
Calibration solutions (pH 4,00; pH 7,00; pH 10,01), 50 ml each	1 each
AA batteries	3
Manual	1
USB cable	1
USB stick with PC-Link software	1
Screwdriver	1
Carrying case	1