

PH METER FOR SOIL

PCE-PH20S-ICA



- » **Waterproof (IP 67)**
- » **External electrode with cable**
- » **Highly accurate**
- » **Auto shut-off to protect battery life**
- » **Calibration solutions are included**
- » **incl. ISO-Calibration Certificate**

pH Meter for Soil

The pH meter for soil has been developed with the purpose of finding an effective method for directly determining the pH value of soil. With the help of this pH meter, it is possible to quickly and accurately measure the pH value of soil or a soil sample taken from the ground.

To do this, simply insert the electrode into loose soil and read the pH value on the digital display. Please take into account that the first measurement requires there to be moisture in the soil. The device comes calibrated by the manufacturer. The pH meter can be recalibrated by using the calibration solutions that come with the device. Calibration data remains stored in the device even when the batteries have been changed.

More Information

pH is one of the essential parameters which influences and determines the normal functioning of many processes in nature, industry and agriculture.

Specification

pH	
Measuring range	0 ... 14 pH
Resolution	0,01 pH
Accuracy	±0.07 pH (within range 5 ... 9 pH) / ±0.1 pH (within ranges 4 ... 4.9 and 9.1 ... 10 pH) / ±0.2 pH (within ranges 1 ... 3.9 and 10 ... 13 pH)
Electrode	
Designation	PE-06HDA
Measuring range	1 ... 13 pH
Temperature range	5 ... 60 °C
Application	Soil
reference system	Ag/AgCl
Reference electrolyte	Saturated KCl gel
Shank material	Epoxy resin
Shank length	160 mm
Shank diameter	12 mm
Cable length	1 m
Connection	BNC

General technical data	
Measuring functions	HOLD
Display type	LCD
Display size	1,35 in
Automatic power-off	10 min
Number of calibration points	3
Calibration	Automatically, at pH 4, pH 7, pH 10 using calibration solutions
Protection class (device)	IP67
(Rechargeable) battery	4 x 1,5 V AAA battery , Alkali-manganese
Capacity	1200 mAh
Operating conditions	0 ... 60 °C , 0 ... 80 % RH
Storage conditions	0 ... 60 °C , 0 ... 80 % RH
Dimensions (L x W x H)	180 x 40 x 32 mm
Weight	220 g