PH-METER

PCE-PH20M



- **Waterproof (IP 67)**
- **Special external measuring electrode on cable**
- **High accuracy**
- **Auto-power-off for battery saver**
- **Supplied with calibration solutions**
- **Data hold function**
- **Easy-to-read digital display**
- **Easy to use**

Meat pH Meter easy-to-use pH meter for pH determination External pH electrode
The pH meter was developed to directly determine the pH in food and meat. The waterproof pH tester is used for the fast and accurate measurement of pH. The practical display makes the pH value on the pH meter easy to read. Due to the waterproof and robust housing (IP 67), the pH value tester can also be used under difficult conditions. A recalibration always guarantees optimum accuracy and is very easy to perform using the optionally available calibration kits (automatic calibration function without calibration screws - to be performed only via the keyboard).
pH of meat products
The pH measurement in the foodstuffs production and processing is a ubiquitous method of measurement. It is needed in many downstream process steps and has a direct influence on the tactile, sensory and hygienic quality of the future foodstuffs.
Practical example: pH-control in the production of aspic and aspic sausage
In the production of aspic, besides the artisanal production of animal constituents (paws and rinds), there is also the use of industrially produced gelatin. It consists largely of similar animal ingredients but is produced industrially.
The so-called bloom number characterizes gelatin and defines the subsequent firmness of the aspic. Which means: the higher the bloom number is, the higher the firmness.

Specification

pH	
Measuring range	0 ... 14 pH
Resolution	0,01 pH
Accuracy	±0.07 pH (in the range 5 ... 9 pH) / ±0.1 pH (in the range 4 ... 4.9 and 9.1 ... 10 pH) / ±0.2 pH (in the range 1 ... 3.9 and 10 ... 13 pH)
Electrode	
Designation	CPC-OSH-12-01
Measuring range	0 ... 14 pH
Temperature range	0 ... 60 °C
Application	food
Reference electrolyte	saturated KCl gel
Shank material	Glas
Material Diaphragma	Ceramics
Shank length	120 mm
Shank diameter	12 mm
Shaft diameter Additional information	Sensor diameter: 6 mm
cable length	1 m
Connection	BNC

General technical data	
Measuring functions	HOLD
Display Typ	LCD
Display size	1,35 Inch
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
Battery/battery	4 x 1,5 V AAA Battery (1,5V) , Alkali-Manganese
Battery 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