PH-METER

PCE-PH20P



- **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**

The main purpose of cosmetics production is not only to make pleasantly scented products with good-sounding names and lists of beneficial ingredients, but to make them efficient so that these products really improve the condition of the skin or hair and in no way damage them.

The pH measurement in cosmetics is a priority test that should be performed not only to ensure the consistency of the pH of the product with the pH of the skin, but also to ensure good quality, suitable viscosity, color / odor and to ensure durability of the cosmetics.

A too acidic or too alkaline medium in, for example, shampoo can, for example, lead to a disorder and cause scalp problems. Therefore, the pH value in cosmetics is strictly and continuously monitored and not only in the final product! It is important to understand that monitoring is required at all stages: first in the raw materials and all ingredients, then during the production process, and finally in the finished shampoo application area shampoo, gel / dye / foam ... which are placed on the shelves of the supermarkets. Here it is necessary to fulfill the requirements and regulations of health organizations and GMP principles!

Many of us have experienced at least once that after a short while the pleasant smell of the foam worsens, although in the beginning everything was fine. This is proof that the manufacturer made mistakes during the production process and perhaps did not pay enough attention to measuring and correcting the pH.

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	International Journal of the 44th Congress
Measuring range	0 ... 14 pH
Temperature range	0 ... 60 °C
Application	Cosmetics, wastewater
reference system	Ag/AgCl
Reference electrolyte	saturated KCl gel
Shank material	Plastic
Shank length	150 mm
Shank diameter	12 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