pH / CONDUCTIVITY METER CPC-811

CPC-811 is used for continuous measurement of pH, conductivity and temperature. May be used in agriculture for controlling parameters of the liquids during drip irrigation, it may also be used in aquariums.

Characteristic features:

- Waterproof housing (IP-65) enables work in difficult conditions.
- 2 displays enable simultaneous observation of the pH, conductivity and temperature measurement results.
- Isolated pH and conductivity circuits enable measurements in the same vessel without any problems.
- Very easy in use.
- Powered with power adapter.



In the pH measurement mode:

- Calibration in 1 ÷ 3 points in buffer solutions.
- Automatic detection of the pH buffer solution's value 4.00, 7.00, 9.00 pH (optionally: 4.00; 7.00; 10.00 pH).
- Automatic temperature compensation.
- Delivered with good quality plastic body pH electrode.

In the conductivity measurement mode:

- Enables measurements of samples with conductivity up to 100 mS/cm.
- 5 sub-ranges switched automatically (autorange).
- Automatic calibration in 1.41 mS/cm or 12.90 mS/cm solutions.
- Automatic detection of the value of applied standard solution.
- Automatic temperature compensation.
- Constant temperature compensation coefficient α = 2%/°C.
- Delivered with good quality conductivity cell.

Other features:

- Stainless steel temperature probe with Pt-1000B sensor.
- Powered by 12V power adapter.
- Warranty - 24 months.

The standard set includes: **ECF-1** conductivity cell, **CT2B-121** temperature sensor with **Pt-1000B** resistor, **EPP-1** pH electrode for measurements in clear water.

Technical data

Function	pH	Conductivity	Temperature
Range	0.00 ÷ 14.00 pH	0 ÷ 100 mS/cm (autorange)	-50.0 ÷199.9 ºC
Accuracy (± 1 digit)	±0.01pH*	±0.25%*	±0.1 ºC**
Temperature compensation	-5.0 ÷ 110.0 ºC	-5.0 ÷ 70.0 ºC	-
Input impedance	$10^{12}\Omega$	-	-
Power supply	12 V / 100 mA power adapter		
Weight	470 g		
Dimensions (mm)	L = 160, W = 160, H = 60 mm		

*The accuracy of the meter only.
**The accuracy of the meter only. The total error includes the meters and probe's accuracy.
In the range 0 ÷100 ºC the acceptable error of the probe with Pt-1000B resistor: ±0,8 ^{0}C, with Pt-1000A resistor: ±0,35 ^{0}C.

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