

## pH SIMULATORS CSP-101 AND CSP-501

The simulators are designed for controlling operation, accuracy, temperature compensation of pH meters and detecting false indications. They simulate voltage which is created by an ideal pH electrode. In case of errors, pH simulators enable checking whether the problem is connected with the meter or the electrode.

They also enable checking if the input impedance of the pH meter is sufficient for cooperating with every electrode.

**CSP-101** is a small, portable, waterproof simulator powered with batteries, which simulates 3 values: 4.00 pH, 7.00 pH and 10.00 pH. It is easy in use and recommended to controlling pH meters in laboratories, factories and universities

**CSP-501** is a very accurate device recommended for institutions involved in controlling accuracy of pH meters.

- It simulates values in pH and mV units.
- Enables simulation of a freely chosen pH value in a chosen temperature.
- Enables checking if the temperature compensation is set properly.
- System of + / - buttons enables fast and accurate setting of the required values.
- The simulator is able to store 8 pH and mV values, which are the most often used in the controlling process.
- It is equipped with RS-232 connector for communication with a PC, what enables simple and comfortable remote control of the simulator and introducing values with use of the computer's keyboard.

As standard, the simulators may be connected to the meters equipped with the BNC connector, it is also possible to apply connectors with other types of plugs.



CSP-501



CSP-101

### TECHNICAL DATA

Type	Range	Resolution	Accuracy	Input Impedance	Power
CSP-101	3 constant values: 4.00, 7.00 10.00 pH	0.01 pH	±0.01 pH	10 kΩ / 1000 MΩ	3 x LR44 battery
CSP-501	-3.999 ÷ 17.999 pH ± 1999.9 mV	0.001 pH 0.1 mV	±0.0005 pH ±0.05 mV	100 Ω / 1000 MΩ	9 V adapter