

## CONDUCTIVITY CELL EC-201t

**EC-201t** conductivity cell is recommended for conductivity or salinity measurements in ultra pure water with the temperature measurement. The cell is equipped with a built-in temperature sensor (Pt-1000B resistor).

Low K constant enables measurements in ultra pure water. The electrodes are made of large surface flat platinum elements. They are not covered with the platinum black. This solution speeds up the cell reaction time and results in more stable readings but may be used only for measurements of low conductivity samples.

The cell may be applied for measurements in immersion or in flow – the second method is especially recommended for measurements in water of very low conductivity.

The measurement without contact with air is more accurate, as gases contained in air may penetrate into the liquid and significantly change the reading. As additional equipment, we offer a glass flow-through vessel put on the bottom of the electrode. The water is flowing directly from a distiller or a pipeline through the valve and runs through the hose to the inlet at the bottom part of the vessel. The liquid outflowing through the vessel is directed to the sewage system or a container provided by the user.

The cell may also be mounted in the **GPX-01** flow head which is made of plastic.

### TECHNICAL DATA

|                          |                                 |
|--------------------------|---------------------------------|
| Range                    | 0 ÷ 200 $\mu\text{S}/\text{cm}$ |
| Electrodes – platinum:   | 7 x 18 mm                       |
| K constant               | 0.1 $\pm$ 0.02 $\text{cm}^{-1}$ |
| Temperature range        | 0 ÷ 60 °C                       |
| Minimal immersion level: | 20 mm                           |
| Maximal immersion level  | 100 mm                          |
| Length without cable cap | 120 mm $\pm$ 5mm                |
| Diameter                 | 12.0 mm $\pm$ 0.5 mm            |
| Body material            | glass                           |
| Cable length             | about 1 m                       |
| Connector                | BNC-50                          |



**ELMETRON® Sp. j.**

41-814 Zabrze . Witosza 10 POLAND

tel. +48 32 2738106 fax +48 32 2738114

[www.elmetron.pl](http://www.elmetron.pl) e-mail: [info@elmetron.com.pl](mailto:info@elmetron.com.pl)