

CONDUCTIVITY CELL EC-60

CHARACTERISTICS

The conductivity cell EC-60 has 2 platinum electrodes covered with platinum black placed inside a glass cell. It is designed for measurements of electric conductivity of water solutions (electrolytes). The EC-60 cell is prepared for work with conductivity meter equipped with BNC-50 connector. This cell can't be used for measurements in distilled water, concentrated salt solutions, strong alkaline, and solutions of mineral acids. The EC-60 cell was designed as submersible cell and is constructed for measurements in samples which are not moving. It is not prepared for measurements in streams of solution. The construction of the cell and used materials enable using it in measurements of samples with wide range of conductivity, also chemically aggressive samples. The cell is designed for measurements in range 10 $\mu\text{S}/\text{cm}$ – 100 mS/cm .

The cell can't be used for measurements in solutions, which are strongly contaminated with deposits, fats or oils or other substances which may destroy glass or platinum.

TECHNICAL DATA

Measuring Range	10 $\mu\text{S}/\text{cm}$ – 100 mS/cm
Constant K rang	1,0 $\pm 0,2 \text{ cm}^{-1}$
Temperature range	0 ÷ 70 °C
Minimal level of Immersing	35 mm
Maximal level of immersing	110 mm
Cell diameter	12,0 $\pm 0,5$ mm
Body diameter	12,0 $\pm 0,5$ mm
Electrodes	Platinum
Body	Glass
Cable length	1 m
Connector	BNC

