

CONDUCTIVITY CELL EC-70 / EC-70t

CHARACTERISTICS

The conductivity cell EC-70 / EC-70t has a 2 stainless steel electrodes covered with platinum black placed inside a plastic (ABS) cell. The plastic body is resistant to mechanical damages. It is designed for measurements of electric conductivity of water solutions (electrolytes). The EC-70 / EC-70t cell is prepared for work with conductivity meter equipped with BNC-50 connector and additionally RCA (chinch) for EC-70t to connect the temperature sensor for automatic temperature compensation. This cell can't be used for measurements in distilled water, concentrated salt solutions, strong acid and alkaline, solutions of mineral acids and corrosive solutions which may destroy platinum. The cell can't be used for measurements in solutions, which are strongly contaminated with deposits, fats or oils.

The EC-70 / EC-70t cell was designed as submersible cell. The construction of the cell and used materials enable using it in measurements of samples with wide range of conductivity. The cell is designed for measurements in range 0 $\mu\text{S/cm}$ – 100 mS/cm .

TECHNICAL DATA

Measuring Range	0 $\mu\text{S/cm}$ – 100 mS/cm
Constant K rang	1,0 $\pm 0,2 \text{ cm}^{-1}$
Temperature range	0 ÷ 80 $^{\circ}\text{C}$
Minimal level of Immersing	35 mm
Maximal level of immersing	105 mm
Cell diameter	12,0 $\pm 0,5 \text{ mm}$
Body diameter	12,0 $\pm 0,5 \text{ mm}$
Electrodes	Stainles steel covered with platinum black
Body	Plastic (ABS)
Cable length	1 m
Connector	BNC
Temperature connector for EC-70t	RCA (chinch)

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