CONDUCTIVITY CELL CFT- 201 AND CF-201

The conductivity cell CF-201 and CFT-201 are a flow through cells with a system of 2 platinum electrodes, ring shaped, placed inside a glass cell. The electrodes are made of platinum not covered with black, it shortens the reaction time in ultra pure samples and makes the readings more stable. It is designed for measurements of electric conductivity of diluted water solutions (electrolytes) and very pure water in laboratory conditions. The cells are specially designed for distilled or deionised water measurements, water steam condenses, water in energetic, low-salinity spring water etc. The cells are not designed for measurements in samples with conductivity above 20 mS/m (200 µS/cm), as waste water, salty drinking water, acid and alkali solutions with concentration above 0,1 g. Using a flow through conductivity cells, which are incorporated in a side flow (bypass) in closed circuits enables obtaining accurate results of samples with very low conductivity, without enabling their contact with the air.The cells are prepared for work with conductivity meters equipped with BNC-50 connector and with a possibility of setting the constant K from 0.09 cm^{-1}. In case of observing changes of conductivity during measurement in a vessel or a container it is necessary to use a magnetic stirrer. The cells 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.

CF- 201 – flow cell without temperature sensor.
CFT-201 – flow cell with built in pt-1000 temperature sensor.

TECHNICAL DATA

Measuring Range	0,1 µS/cm – 200 µS/cm
Constant K range	0.1 ± 0.02 cm^{-1}
Temperature range	0 ÷ 70 °C
Cell diameter	12,0 ± 0,5 mm
Body diameter	12,0 ± 0,5 mm
Electrodes	Platinum
Body	Glass
Cable length	1 m
Connector	BNC / chinch (RCA)

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