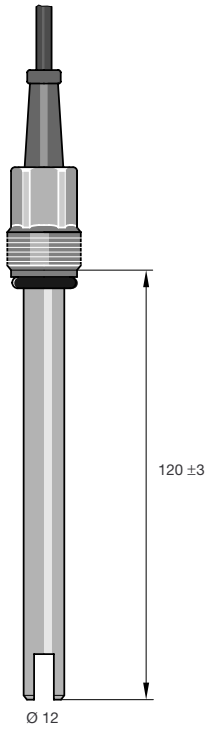
Data Sheet
Conductivity Cells Type LFT 1 FE and LFTK 1 FE



Description

The two-electrode measuring cells type LFT 1 FE (Part-No. 1001374) and LFTK 1 FE (Part-No. 1002821) with mounting thread PG 13.5 and built-in Pt 100/1000 for temperature correction are used for the conductive measurement of electrolytic conductivity in watery liquids. The electrical connection is realized via a mounted 4-wire, unshielded cable (5 m).

Important: For initial operation put the conductivity cell for 5 - 10 minutes in destilled or deionized water.
For a correct measuring function of the conductivity cell, it must be made sure that no air bubbles are in the gap between the electrodes.

Maintenance: Deposits can be removed by rinsing the electrodes with a soft water jet, by dipping them for 2 - 3 minutes into diluted (1 %) acids or by cleaning them with a soft brush (e.g. tooth brush/bottle brush).

Storage: dry

Technical Data

Cell constant:	k = 1.0 cm^{-1} (± 5 %)
Measuring range:	approx. 0.01...20 mS/cm
Medium temperature:	0...80 °C
Max. pressure	16 bar
Mounting thread:	PG 13.5
Dimensions:	shaft length 120 mm; ø 12 mm
Storage temperature:	-5...50 °C
Electrodes:	Special-graphite
temperature sensor:	Pt 100 (integrated in cell stem) - LFT 1 FE Pt 1000 (integrated in cell stem) - LFTK 1 FE
Cell shaft:	PPE glasfibre-reinforced
Electrical connection:	4-wire, unshielded measuring lead (5 m; 4 x 0.5 mm^2) enclosure ratio IP 65
Connection assignments:	brown and white: electrodes green and yellow: Pt 100/1000