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: \( k = 1.0 \text{ cm}^{-1} (\pm 5 \%) \)
- 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 mm²) enclosure ratio IP 65
- Connection assignments: brown and white: electrodes green and yellow: Pt 100/1000