

# 1.3 DULCOTEST® Conductivity Sensors

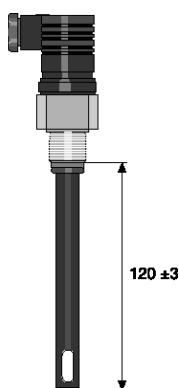
## Conductivity Sensor LFTK 1 DE



Cost-effective sensor for the measurement of the electrolytic conductivity in clear, uncontaminated water with integral temperature measurement and DIN 4-pin plug. For operation with controllers Compact DCCa, DMTa

### Your benefits

- Measured variable: electrolytic conductivity above 10 µS/cm
- Cost-effective sensor for all clear uncontaminated water
- Flexible process connection by the use of sensor fittings for standard pH sensors
- Special graphite electrodes, optimised for a highly dynamic measuring range: 0.01-20 mS/cm
- Integrated Pt 100 for temperature compensation replaces separate temperature sensor and the corresponding sensor fitting
- DIN 4-pin plug for simple installation



pk\_6\_086

<b>Measuring range</b>	0.01 ... 20 mS/cm
<b>Cell constant k</b>	1.00 cm <sup>-1</sup> ±5%
<b>Temperature measurement</b>	Pt 1000
<b>Medium temperature</b>	0 ... 80 °C (at 1 bar)
<b>Max. pressure</b>	16.0 bar, (at 25 °C)
<b>Sensors</b>	Special graphite
<b>Shaft material</b>	Epoxy
<b>Thread</b>	PG 13.5
<b>Fitting length</b>	120 mm ±3 mm
<b>Installation</b>	Bypass: with or without return of the sample water into the process line, inline: direct installation into the pipework; fixed or replaceable (replaceable fitting), tank, channel: Immersion in the immersion tube
<b>Electrical connection</b>	DIN 4-pin angle plug
<b>Enclosure rating</b>	IP 65
<b>Typical applications</b>	Potable, cooling, industrial water. Sensors of the LF series have only limited applicability for taking measurements in cleaning solutions containing surfactants and media containing solvents.
<b>Resistance to</b>	Unsuitable for chemically contaminated water and water containing film-forming ingredients
<b>Measuring and control equipment</b>	Compact DCCa, DMTa, AEGIS II
<b>Measuring principle, technology</b>	Conductive, 2 electrodes. Integrated temperature measurement

	<b>Order no.</b>
<b>LFTK 1 DE</b>	<b>1002822</b>

Please observe the general notes on p. → 1-85 (Overview Table for Conductivity Sensors)

