

1.3 DULCOTEST® Conductivity Sensors

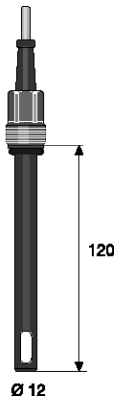


Conductivity Sensor LFT 1 FE

Cost-effective sensor for the measurement of electrolytic conductivity in clear, uncontaminated water. With integrated temperature measurement and fixed cable connector. For operation with controllers Compact D1Ca and 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
- Fixed cable on the sensor head for difficult ambient conditions



pk_6_085

Measuring range	0.01...20 mS/cm
Cell constant k	1.00 cm ⁻¹ ±5%
Temperature measurement	Pt 100
Medium temperature	0 ... 80 °C
Max. pressure	16.0 bar, (at 25 °C)
Sensors	Special graphite
Shaft material	Epoxy
Thread	PG 13.5
Fitting length	120 mm ±3 mm
Installation	Bypass: open outlet or 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
Electrical connection	5 m fixed cable (4 x 0.5 mm ²)
Enclosure rating	IP 65
Typical applications	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.
Resistance to	Unsuitable for chemically contaminated water and water containing film-forming ingredients
Measuring and control equipment	D1Ca, DMTa, AEGIS II
Measuring principle, technology	Conductive, 2 electrodes. Integrated temperature measurement

	Order no.
LFT 1 FE	1001374

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

