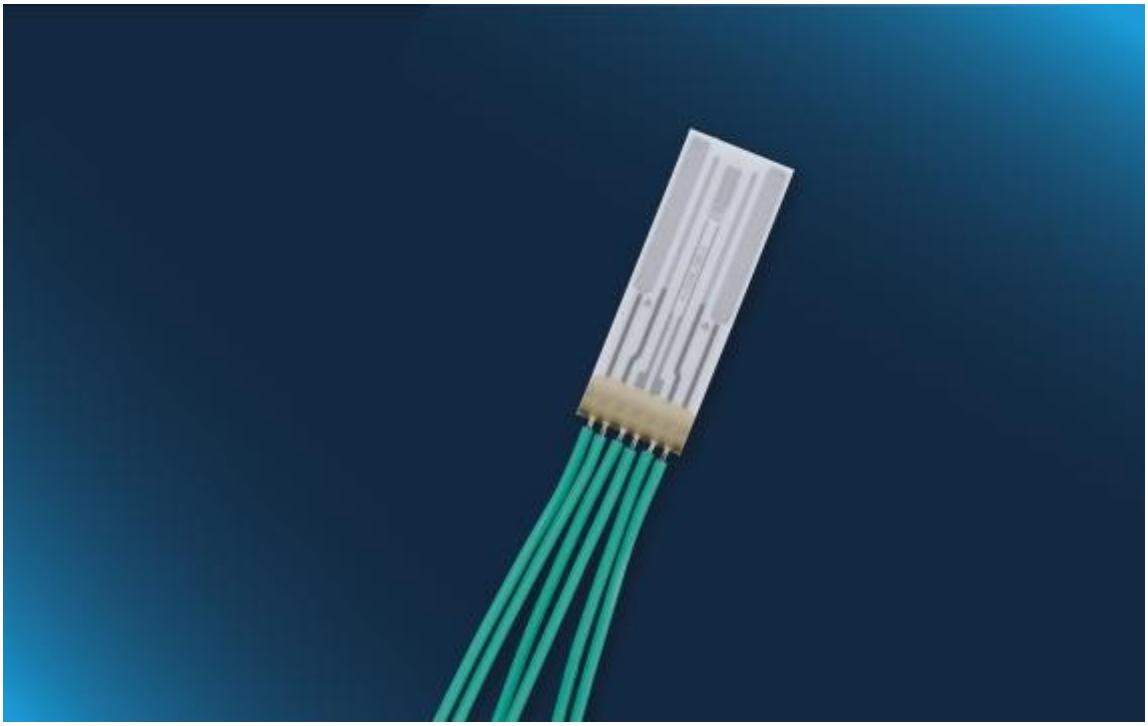
Conductivity sensor LFS1505 with integrated temperature sensor and insulated wires



Sensor for Higher Conductivity Ranges with Medium Cell Constant and Integrated Temperature Sensor. Optimal for applications with a conductivity measuring range from 100 µS/cm to 200 mS/cm (typical cell constant of 0.68 cm -1)

With the LFS1505, higher conductivity values are measured, making it suitable for applications such as biological and chemical processing, the food and beverage industry and water quality determination.

Product Name: LFS1K0.1505.2I.C.070-6
Conductivity range: 100 µS/cm to 200 mS/cm
Cell constant: typical 0.68 cm-1
Layout: 4 electrodes and integrated temperature sensor (Pt1000, class F0.6)
Operating temperature range: -30 °C to + 100 °C
TCR temperature sensor: Platinum 3850 ppm/K

Nominal resistance: 1000 Ω at 0 °C
Tolerance/class: IEC 60751 F0.6 (Class C)
Chip size/dimensions: 14.9 x 5.5 x 1.2 mm
Connection type: 6 wires
Wires: Cu/Ag stranded wires
Wire dimensions: AWG30, PTFE insulated, 70 mm long
Product code: 103859

Product details

Benefits & Characteristics of the conductivity sensor

- Wide conductivity and temperature range
- Fast response time
- Optimal accuracy
- Resistance to various chemicals
- Excellent long-term stability
- Four-electrode measurement
- Customer-specific sensor available upon request

Usage

Conductivity sensors play an important role in determining water quality and are able to measure the conductivity of most electrolyte solutions. iST conductivity sensors are an ideal choice for water quality and waste water treatment applications, amongst others.

Note

Aggressive media can influence the long-term stability. Chemical resistance of the sensor in the end application must be tested by the customer.

Quality

Consistent with the well-known, high-quality standards in Switzerland, IST AG is certified according to ISO 9001:2015 (quality) and ISO 14001:2015 (environment). Appropriate processes are part of our daily work. They are regularly audited and extended parallel to the growth of our company.

> Read more

The online shop

Quantity (pieces)	Price (per piece)
5-49	CHF 38.11
50-99	CHF 33.99
100-150	CHF 32.96

Stock: **229**