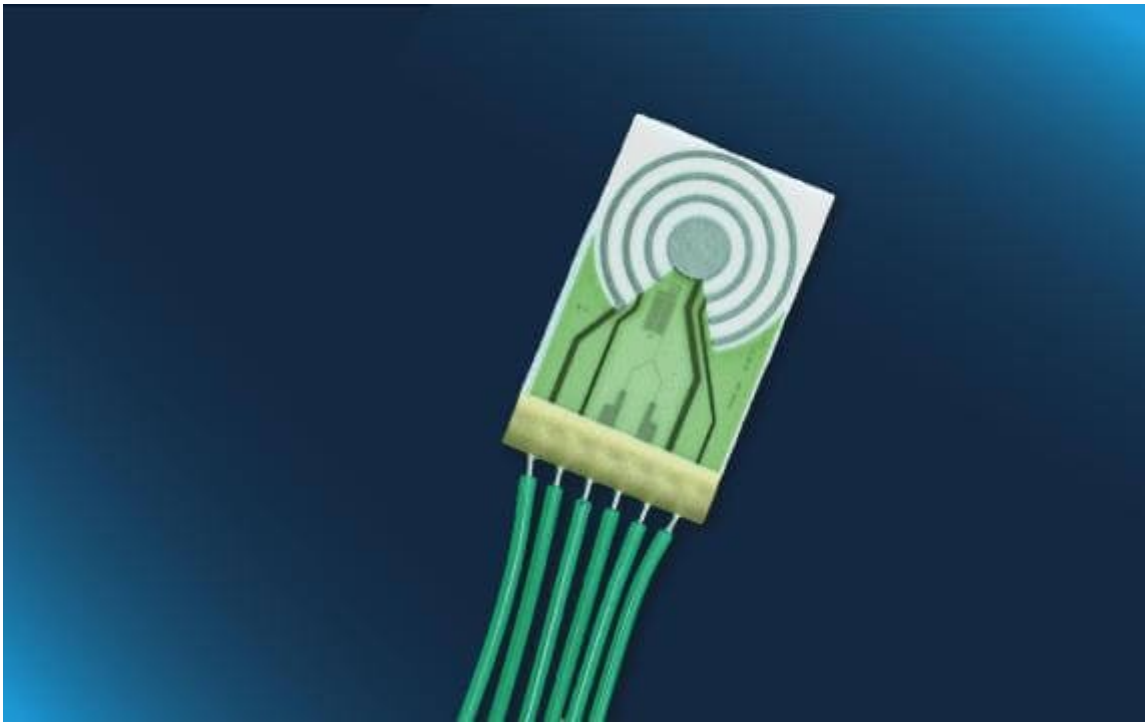
Conductivity sensor LFS1107 with integrated temperature sensor and insulated wires



The versatile allrounder for a wide conductivity range: Stable cell constant from low conductivity values (10µS/cm) to high values 200mS/cm (typical cell constant of 0.42 cm^{-1})

Due to its wide measurement range LFS1107 can be used in a variety of applications, such as medical, E-mobility, biological and chemical processing, food and beverage and monitoring of water quality.

Product Name: LFS1K0.1107.2I.C.070-6.S
Conductivity range: 10µS/cm to 200 mS/cm
Cell constant: typical 0.42 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: 11.3 x 7.0 x 1.2 mm
Connection type: 6 wires
Wires: Cu/Ag stranded wires
Wire dimensions: AWG30, PTFE insulated, 70 mm long
Product code: 103867

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 31.93
50-99	CHF 28.84
100-150	CHF 27.81

Stock: **200**