



innovative
Sensor
Technology

CONDUCTIVITY SENSORS

Conductivity measurement with high chemical resistance and optional integrated temperature sensor for optimal accuracy



physical · chemical · biological





AUTOMATION



WATER TREATMENT



HANDHELD DEVICES



MEDICAL



PROCESS CONTROL



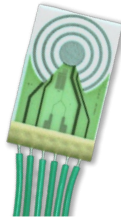
SOIL TREATMENT

With excellent long-term stability, chemical resistance, fast response times, reliable accuracy, and an operating range from -30 °C to 100 °C, our conductivity sensor components deliver dependable performance across a wide variety of demanding environments.

The allrounder LFS 1107

The versatile allrounder with a stable cell constant for a wide conductivity range. It is ideal for e-mobility, bio- and chemical processes, food & beverage industries as well as medical applications.

- Conductivity range 10µS/cm to 200mS/cm
- Typical cell constant of 0.42 cm⁻¹
- Four concentric electrodes
- Integrated temperature sensor Pt 1000

Product code
103867

Conductivity sensor LFS1305

This sensor is the reliable choice for home appliances and enables precise conductivity measurement in drinking water quality monitoring applications.

- Conductivity range 100 µS/cm to 200 mS/cm
- Typical cell constant of 0.86 cm⁻¹
- Four parallel electrodes
- Integrated temperature sensor Pt 1000

Product code
158044

Conductivity sensor LFS1505

This sensor is built for reliable conductivity measurement in bio- and chemical processing, food & beverage, and drinking water monitoring.

- Conductivity range 100 µS/cm to 200 mS/cm
- Typical cell constant 0.68 cm⁻¹
- Four parallel electrodes
- Integrated temperature sensor Pt 1000

Product code
103859

Commodity conductivity sensor LFS1505

This cost-efficient version of the LFS1505 is tailored for single-use applications and is particularly well suited for handheld devices in medical technology.

- Conductivity range 100 µS/cm to 200 mS/cm
- Typical cell constant 0.68 cm⁻¹
- Four parallel electrodes
- Single-use applications
- Ideal low-cost solution for life science applications

Product code
154008

iST offers a wide range of sensors based on different technologies suitable for any application.

Standard or customized

Conductivity sensor for low conductivity range for flow cells

New

This double-sided chip is specially designed for applications with a low conductivity measuring range and is ideal for pure water applications in bioprocessing, laboratories, and coolant monitoring.

- Low conductivity range 1 µS/cm to 15 µS/cm
- Typical cell constant of 0.2 cm⁻¹
- Two interdigitated electrodes
- Soldered temperatures sensor Pt1000 on backside

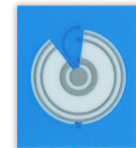
Product code
158919

Conductivity sensor for middle conductivity range for flow cells

New

Engineered for mid-range conductivity measurements, this double-sided sensor element delivers reliable performance in dialysis monitoring, water quality analysis, and biological and chemical processing applications.

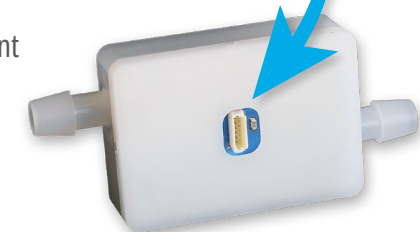
- Conductivity range 2 mS/cm to 20 mS/cm
- Typical cell constant of 0.66 cm⁻¹
- Four concentric electrodes
- Soldered temperatures sensor Pt1000 on backside

Product code
158615

Flow cell for conductivity sensor

New

The LFS.FC503517.A4x15.oval.V1 flow cell is a compact and easy-to-integrate solution designed for in-line conductivity measurement of liquid media. It incorporates the above conductivity sensor, which can be easily replaced thanks to its interchangeable sensor design and convenient backside connector interface. This enables simplified maintenance and reduced downtime in demanding process environments.

Product code
159662

Customized sensor solutions for your application

Benefit from an agile co-creation of your next sensor solution. Use our competence at component level and focus on your added value for fast and successful product development - from simple design adaptations to new measuring principles: from concept prototyping to high-volume manufacturing.



Innovative Sensor Technology IST AG
 Stegrütistrasse 14 · 9642 Ebnat-Kappel · Switzerland
 +41 71 992 01 00 · info@ist-ag.com

www.ist-ag.com