RÖSSEL
MESSTECHNIK

AUTOMOTIVE R&D
SOLUTIONS FOR VEHICLE DEVEL-OPMENT

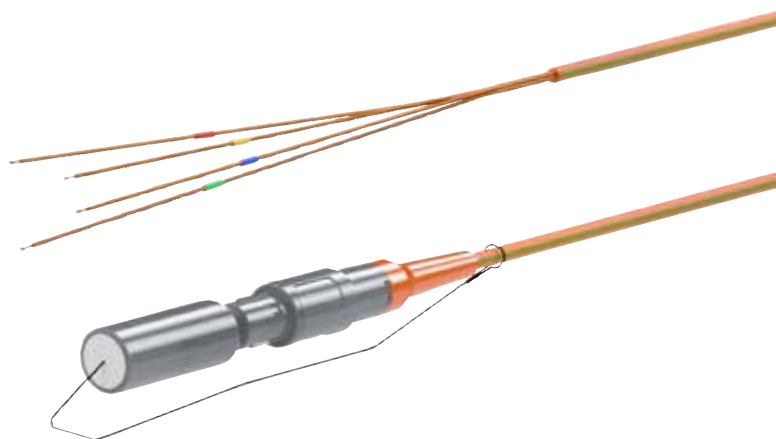Consultation. Solution. Innovation.

TEMPERATURE MEASUREMENT TECHNOLOGY FOR VEHICLE DEVELOPMENT

We actively contribute to the development of both trucks and cars for the future of the automotive industry. RÖSSEL-Messtechnik has supplied the automotive industry with temperature sensors for several decades. We also offer measurement technology designed for hydrogen technology and e-mobility. Our products are suitable for temperature measurement on hybrid supply lines, in battery systems and on the outer casing of high-voltage components, for example. Acid, oil and fuel-resistant thermocouples and resistance thermometers are just as important in the automotive industry.

Rely on our expert advice along the entire production chain. With a wide range of products, custom sensor design and flexible manufacturing in small and large quantities, we are the optimum partner for your requirements.

Whatever the process, our experts are the first point of call!

High-voltage thermocouple

✓ High-voltage temperature measurement in battery systems

✓ Sensors compliant with Euro 7 requirements and WLTP measurement procedures

✓ Acid, oil and fuel-resistant PFA and FEP insulated cables

✓ Custom sensor design

✓ Flexible manufacturing in small and large quantities

RÖSSEL
MESSTECHNIK

EFFICIENT ENERGY STORAGE AT -253 °C USING HYDROGEN? NO PROBLEM!

An increasing number of industries are turning to hydrogen technology. Converting energy into hydrogen permits it to be stored, transported and released in a clean, environmentally friendly way. Working at the right temperature is crucial for ensuring hydrogen is handled safely and effectively. In close partnership with hydrogen technology experts, RÖSSEL-Messtechnik is developing innovative sensors and equipment for effective energy storage with reliable temperature measurements, even at extreme ends of the temperature scale.

learn more...

INTUITIVE HIGH-VOLTAGE SENSORS FOR E-MOBILITY AND BATTERY SYSTEMS

One of our customers in the e-mobility sector required a touch-safe temperature measurement solution able to withstand the high operating voltages in modern battery systems and designed for flexible use throughout the vehicle. Standard measurement technology simply isn't capable of achieving this. Working in close collaboration with the customer, RÖSSEL-Messtechnik developed high-quality thermocouple connection cables for use on high-voltage components.

learn more...

MINIATURE PISTON SENSORS SAVE ALMOST €10,000 IN DOWNTIME COSTS

A customer reached out to us asking for piston sensors that meet special requirements to measure temperatures in car pistons during operation. Similar products they had tried to date repeatedly failed and led to costly test cancellations. RÖSSEL-Messtechnik was able to significantly reduce the customer's failure rate during engine use by producing high-quality miniature sheathed thermocouples with a diameter of 0.5mm and X-ray documentation for each sensor.
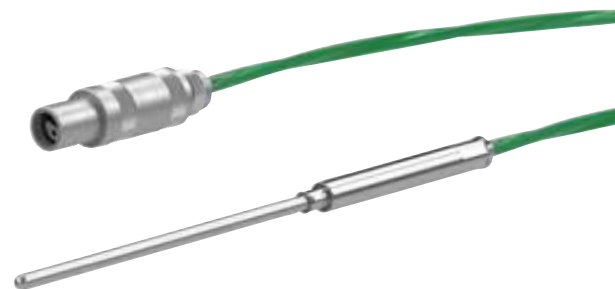
learn more...

MORE INFORMATION
OUR NEW WEBSITE

learn more...

Sheathed thermocouples

YOUR PERSONAL
CONTACT PARTNER

"What gets me out of bed in the morning? Giving you expert advice! Talk to me."

Frank Elsenbach
Automotive expert

0800 - 15000 - 30

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GET TO KNOW US
CONTACT

WE FIND
SOLUTIONS FOR

+ **MEASURING EXHAUST GAS TEMPERA-TURE**

+ **SURFACE TEMPERATURE**

+ **COOLING WATER TEMPERATURE AND OIL TEMPERATURE**

+ **BATTERY SYSTEMS AND HIGH-VOLT-AGE COMPONENTS**

+ **TEMPERATURE MEASUREMENT DURING BRAKING TESTS**

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RÖSSEL-MESSTECHNIK – YOUR CERTIFIED PARTNER

As a leading manufacturer of temperature measuring technology for industrial and research purposes, we meet the strictest production standards. With internationally recognized approvals and calibrations, we offer quality you can rely on around the globe.

TÜV NORD · DIN EN ISO 9001

Ex

CENTROCAL

DNV