



Temperature
is our Business.

The sophisticated Specialist
in Thermo Sensor Technology
for Motorsports.



For the highest demands on the race track.

Whether Formula 1 or professional kart series – we are your specialist for thermo sensor systems in motor sport. Our highly developed temperature sensors offer our customers individual solutions as well as tried-and-tested, standard applications for all kinds of measurement sensors for engines and exhaust gases.

Thanks to our holistic know-how gained from many years of experience, our forward-looking, high quality products are deployed in all cutting-edge fields of motor sport. These include engine test beds, for example, which we equip with different temperature sensors, such as for

KERS, wiring harnesses, assemblies and for monitoring the engine and exhaust gas temperature. We are extensively involved in meeting the technical requirements of teams on the race track and can thus constantly set new standards for high temperature applications subject to heavy vibrations – and that not only ready for series production, but also for the most stringent, customer-specific demands.

Our holistic in-house development work and our ultra modern stock of machinery enable us to guarantee constant, first class quality to our users. Our thermo sensors are optimally adapted to the

individual requirements and work reliably, even under extreme conditions.

Both the production of our elements and our development work is performed solely by our professional team in Germany. We also offer an overtime service, should time be of the essence.

Make use of our experience and know-how to further your success – we look forward to finding the right solution for you, too!

Expertise right down the line.

Therma Thermofühler GmbH has been developing and producing future-oriented products for the most demanding areas of application for over 20 years now. Our philosophy is driven by quality, precision and expertise in order to always come up with the best solutions for our customers and to supply these promptly. That is also demonstrated by our certification to the ISO 9001 quality management system which we have maintained since 1996.

Apart from reliable applications for motor sport, we also manufacture products for industry, for areas of development in science and research and for trade enterprises.

Our range includes:

Sheath and wire thermocouples

Resistance thermometers

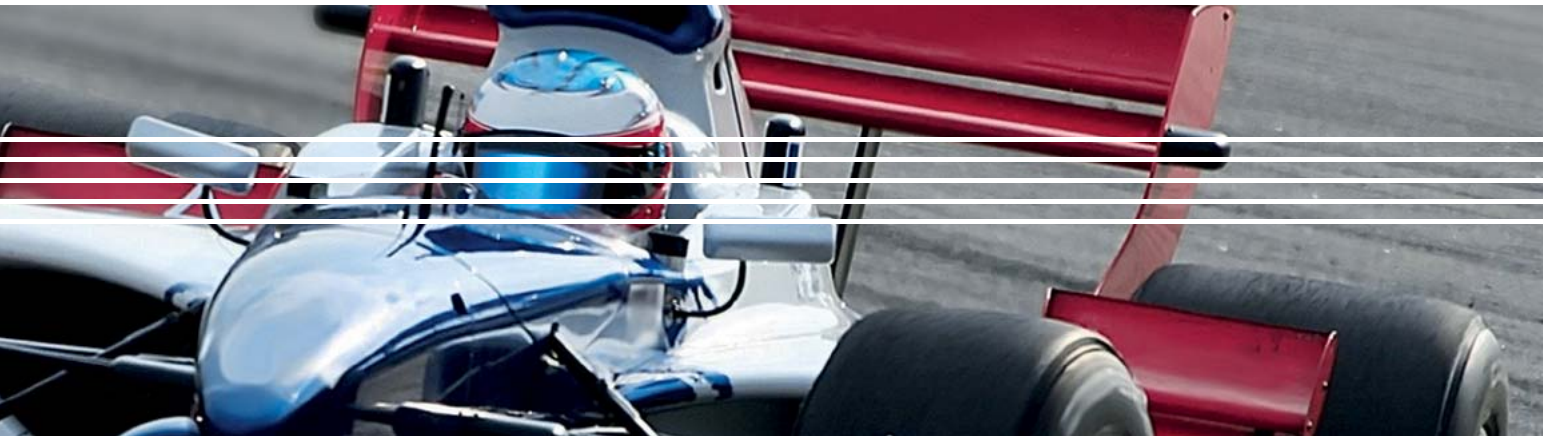
NTC and PTC temperature sensors

Connectors free from thermoelectric EMF

Thermo- and compensating wires and cables

Compression fittings

Measurement and control devices



Plug-in thermocouple with union nut

This thermocouple is recommendable for measurements in the flow of exhaust gas: The fitting length and the length of the element itself are able to be adapted, making it very flexible. The union nut means that the thermocouple no longer needs to be screwed in and is therefore mounted quickly.



The benefits
Vibration-proof
Fast rate of response
High temperature resistance (up to 2,192 °F)
Available in different fitting lengths
With union nut

Screw-in thermocouple with T-hose adapter

Ideally suited for measuring in fluids and air flows, the strength of this screw-in thermocouple lies in its precision: The thermocouple and the hose connector can be individually adapted to ensure that the temperature is always measured in the middle of the medium.



The benefits
Pressure-resistant
Very fast rate of response
For hose diameters from 4 to 42 mm
Also available with pressure connection
Individually adaptable

Kart sensor

This exhaust gas temperature sensor was developed especially for use professional kart racing and is characterised by its robust, vibration-proof design. The slim, low-mass structure enables temperatures to be measured quickly and precisely.



The benefits
Vibration-proof
Very fast rate of response
Robust
Slim design
Individually adaptable

Screw-in thermocouple

This screw-in thermocouple with M6 thread is a "master of flexibility" when it comes to measuring fluids in vehicles. It can be supplied in different fitting lengths and can therefore be deployed for numerous applications.



The benefits
Very small size
Very fast rate of response
Pressure-resistant up to 8 bar
Available in different fitting lengths
Self-locking miniature plug

Screw-in resistance thermometer PT100

This resistance thermometer with M6 thread is renowned for its precise measurement of fluids in vehicles. The sensitively actuated PT100 gauge can be supplied in different fitting lengths.



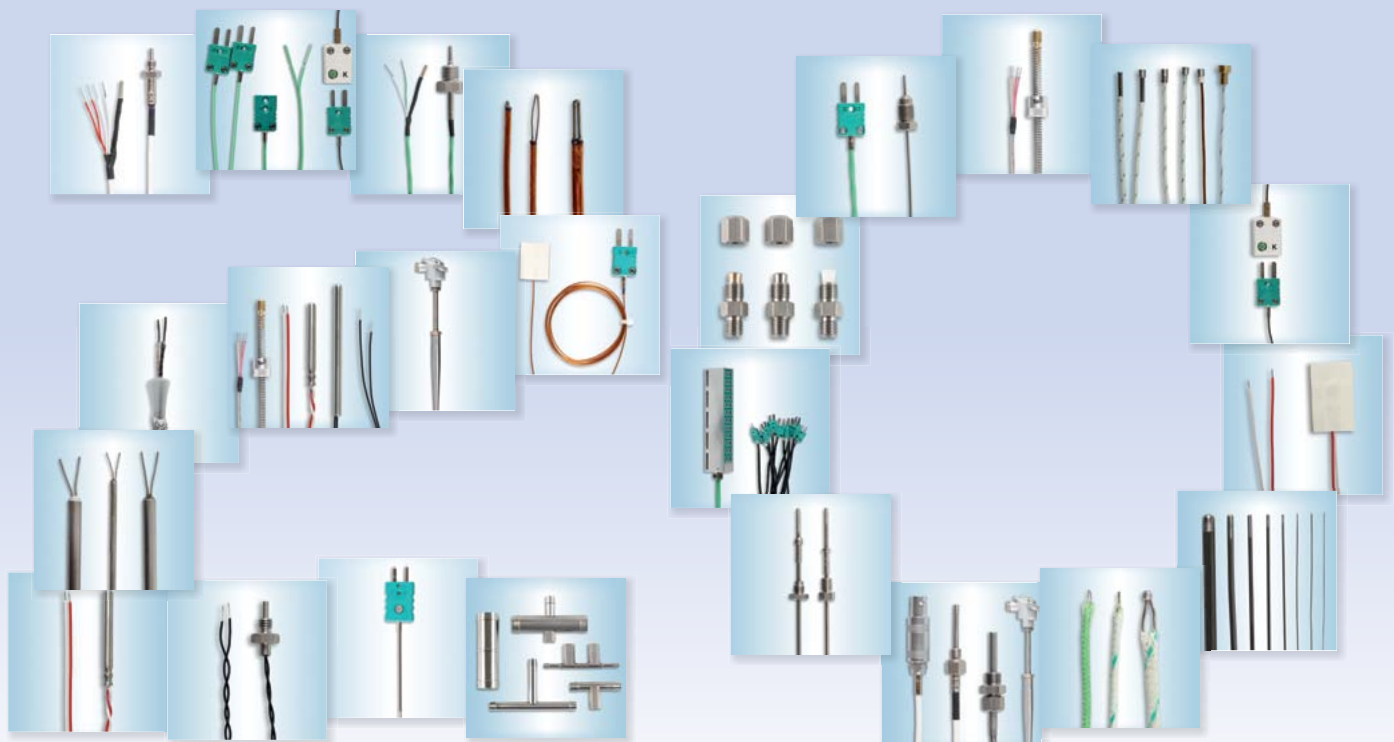
The benefits
Compact size
Fast rate of response
Very exact measurement by PT100
Available in different fitting lengths
Plug mounting at customer's request

F1 exhaust gas temperature sensor

This sensor was especially developed for motor racing and deployment on the test beds of Formula 1. Its outstanding features are that it is very robust, absolutely vibration-proof and thus ideally suited for measuring exhaust gas in front of the turbo loader.



The benefits
Highly vibration-proof
Very robust
High temperature resistance (up to 2,192 °F)
Individual plug mounting possible
Individually adaptable



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