

SIEMENS



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Accurate and adaptable temperature measurement in a streamlined package

SITRANS TS500 sensors offer a variety of configuration options while simplifying the ordering process

Answers for industry.



For exceptional temperature measurement accuracy combined with the flexibility for integration into a wide range of process industry applications, Siemens introduces the SITRANS TS500 series of temperature sensors. The modular design of the SITRANS TS500 allows for a high level of customization with the use of standardized individual components, including thermowell, extension and connection head. The sensor can also be paired with a SITRANS T transmitter and optional display to provide an easy-to-understand readout of all process variables.

Streamlined ordering

With the release of the SITRANS TS500, Siemens is now your one-stop shop for temperature instrumentation – and ordering has never been easier or more convenient. That’s because you now have the ability to order a complete temperature measurement solution, including both sensor and transmitter, as a single package under one streamlined number. And no matter which configuration you choose, you will benefit from the same competitive value you have come to expect from Siemens.

Maximum adaptability

The SITRANS TS500 is for a broad number of applications in many different environments, including those characterized by high temperatures, high pressures and aggressive media. The replaceable sensor even makes it possible to conduct maintenance work during ongoing operations. As a result, the sensor is ideal for pipelines and tanks within the power, chemical, petrochemical, water & wastewater, and general process industries.

The SITRANS TS500 is available in three designs:

- Version 1 – Barstock thermowell for medium to high process requirements
- Version 2 – For installation into existing thermowells

Version	Description	Application	Process Connection
1	Barstock thermowell Extension made of piping material and screwed into protective sleeve	Medium to high process requirements	Directly welded into pipeline Welded flange Male thread
2	For installation into existing thermowells Extension made of piping material	Process requirements dependent on protective sleeve design	Screwed into existing protective sleeve or directly into the process

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Order No.: PIFL-00092-1114
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