

HySense® T Temperature sensors

HySense® T family

With the **HySense® T** family, Hydrotechnik offers high-quality sensors for temperature measurements in liquids, gases, and solids. The products in this family are based on a modular system, meaning that custom solutions can be implemented quickly and easily. In fact, decades of experience have resulted in Hydrotechnik having a patented solution for temporary temperature measurements in closed systems. A MINIMESS® p/T test point can be used to install temperature sensors in a system under pressure without any leaks.

HySense® TE 200

The **HySense® TE 200** is an all-purpose handheld temperature sensor that can be used for an extremely wide range of measuring tasks, such as measuring temperatures in fluids and powders, as well as on surfaces. The long probe and the flexible coil cord make it easy to quickly measure temperatures even at locations that are difficult to access.



General characteristics

Sensor principle	Pt100
Measuring range	-50 ... 400 °C
Output signal	4 ... 20 mA, ISDS
Mechanical measuring connection	Immersion and surface probe
Electrical measuring connector	M16 x 0.75, 6-pin*
Measuring accuracy	1% of full scale
Ambient temperature	-40 ... 70 °C
Body material	Plastic
Probe tip material	Stainless steel
Weight	207 g
IP degree of protection	IP40 (DIN EN 60529)

* More available upon request

Sensor	Model	Temperature range	Part No.
HySense® TE 200	Surface probe	-50 ... 200 °C	3170-01-S-03.00
		-50 ... 400 °C	3170-01-S-07.00
	Immersion probe	-50 ... 200 °C	3170-02-S-06.00
		-50 ... 400 °C	3170-02-S-08.00