

Piercing temperature sensor Pt100 with passive resistance

» with PTFE (Teflon) handle + cable

» Most suited for

These **tough and steam resistant piercing temperature sensors** have a special design, allowing them to be used in **all areas of food processing**, especially for **boiling, cooking and baking processes**.



For use in autoclaves, please see our special design: Steam-pressure resistant up to 3 bar, cable length 7m

Don't hesitate to ask us!

» Features

- Range of application: **-50°C up to +250°C**
- **Watertight and steam resistant**
- High mechanical cohesion
- Protective sleeve/needle made of **stainless steel 1.4571**
- **Internal wire mesh (protection)**
- For use in the food industry
- Handles and cables are oil and acid resistant
- All models are **extremely impact-resistant**
- **Not suitable for autoclaves**

» Technical data

Connection	End of cables with cable end sleeves	
Connection cable	PTFE (Polytetrafluorethylene) / Teflon connection cable, shielded	
Cable length (standard)	2 m, 5 m, 7 m	Please specify standard/special lengths when you order!
Special cable	From 1 m	
Protective sleeve/needle (standard)	L 140 mm x 4 mm Ø Stainless steel 1.4571	Length and diameter of the needle can be flexibly manufactured to your needs. Please specify the dimensions when ordering special versions!
Needle tip	Centered, angle 25°	Other angles / shapes available on request
Measuring insert (standard)	Pt100 sensors, DIN EN 60751, Kl. B 3-wire version	
Degree of protection	IP67	
Optional	<ul style="list-style-type: none"> ▪ 2 measuring inserts Pt100 ▪ 4-wire per measuring insert ▪ Pt500 ▪ Pt1000 	

» Delivery

Available from stock	Standard version: Probe tube (needle) made of stainless steel with centered needle tip	See scale drawing below
Optionally available	Variable needle and cable length Variable needle diameter Variable measuring inserts	

» Scale drawing of the standard version

