

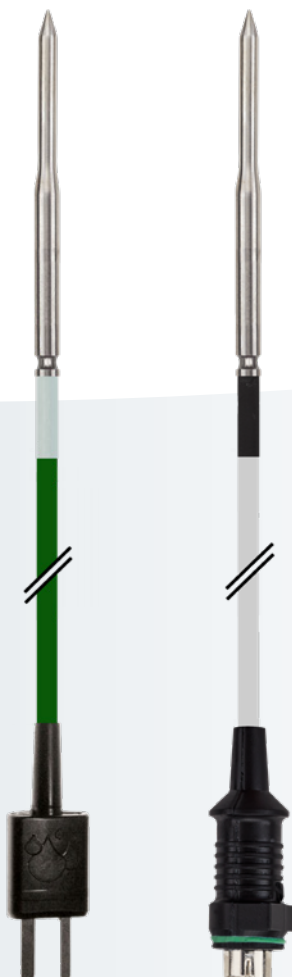
Analogue low temperature probes

Penetration probe for
low temperature measurements

Precise measurements down to $-200\text{ }^{\circ}\text{C}$

Flat ribbon cable fits between seals of doors and lids

Calibratable



With our low temperature probes you can precisely control cooling processes. They can be used in freezers, liquid nitrogen tanks, cooling chambers and boxes.

Depending on the connection type, the probes can be used with testo's monitoring system Saveris and instruments like testo 735, testo 400 / 440 or the logger series 175 / 176.

Based on the customers' requirements, the probes are also available in the following customized variants:

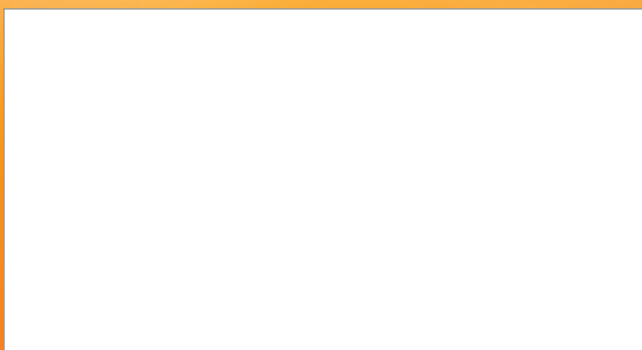
- other cable lengths,
- other connector (plug / free cable ends),
- other sleeve geometries,
- or other individual adjustments.



	Analog TC low temperature probe (2 m)	Analog Pt-100 low temperature probe (2 m)	Analog Pt-100 low temperature probe (4 m)
Order no.	8711 0001	8711 0002	8711 0007
Sensor type	TC type K	Pt-100	
Measuring range	-200 to +40 °C	-200 to +250 °C	
Accuracy	$\pm 2.5 \text{ K}$ (at -167 to +40 °C) $\pm 0.015 \cdot T $ (below -167 °C)	$\pm 0.15 + 0.002 \cdot T $	
Operating temperature	Probe excl. plug: -200 to +250 °C Plug: -40 to +80 °C	Probe excl. plug: -200 to +250 °C Plug: -40 to +80 °C	
t_{90} (in moving liquid)	7 s	35 s	
Sleeve			
- Material	Stainless steel 1.4404		
- Length	75 mm		
- Diameter	5 mm, tapered to 3.6 mm		
- Tip	Centrally peaked		
Cable			
- Length	2 m		4 m
- Diameter	1.5 x 2.4 mm	1.2 x 3.8 mm	
- Insulation	PTFE	PFA	
Protection class	IP 54		
Connection	Mini-TC plug	Mini-DIN plug	

P CS/dk/11.2022 Subject to change, including technical changes, without notice.

Are you looking for a probe which fulfills your individual requirements?
Contact us: vertrieb@testo.de



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