

Heat protection container for data loggers

Protects measuring instruments
from too high temperatures in
process monitoring



Continuous process monitoring without inconvenient trailing cables

The measuring instrument accompanies the process in the container

Protection from temperatures up to +200 °C

Suitable for use in food production thanks to stainless steel housing

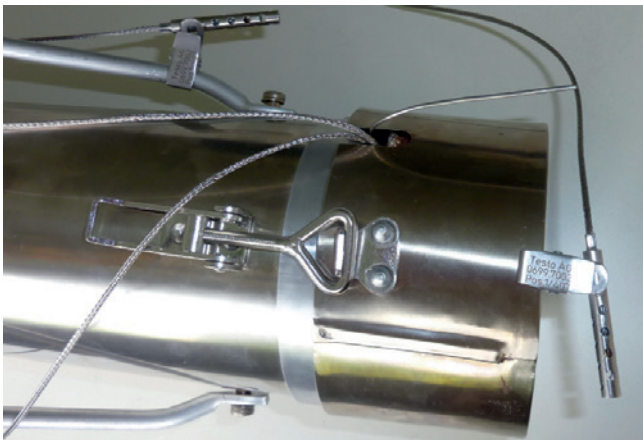
A measuring instrument with a storage function (e.g. data logger testo 176) is placed in the interior of the heat protection container. The vacuum-insulated special glass container insulates the measuring instrument's electronics from radiated and contact heat. After 1.5 h in an ambient temperature of +200 °C, the temperature in the container increases to a maximum of +70 °C.

This allows the measuring instrument to easily be able to pass through thermal processes such as baking lines or inline furnaces. The probes connected to the data logger are positioned outside the container for the purpose of recording the ambient temperature. Inconvenient trailing cables are superfluous.

Heat protection container

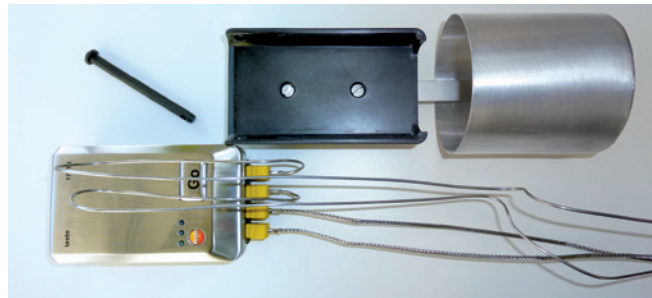
Heat protection container e.g. for the data logger testo 176
Protects from 200 °C for up to 1.5 h in static air.

Order no. 0572 9999
Ident. no. 0699 6995/1



Possible application example for the heat protection container. In the interior is the data logger testo 176 T3 with a spare measurement head (part no. 0602 0092) for measuring the interior temperature of the container, a temperature measurement tip (part no. 0602 5792) and two special oven probes with clamps (part no. 0699 7002/1) for measuring containers or baking sheets in front or behind in the baking line.

Operating temperature:	+100 °C / +150°C / +200°C
Max. duration of use:	6:00 h / 3:00 h / 1:30 h
Final interior temperature:	max. +70 °C
Starting interior temperature:	+20 °C
Working pressure:	Unpressurized
Outside diameter:	Approx. 125 mm
Inner diameter:	Approx. 72 mm
Length:	Approx. 385 mm
Inner length	Approx. 190 mm
Min. furnace height:	Approx. 145 mm
Weight:	Approx. 3.5 kg
Material:	Stainless steel housing, aluminium handle



The interior of the heat protection container could look like this before fitting: Container insert with data logger bracket attached, and fixing rod as well as the data logger testo 176 T3 with four external temperature probes.

Accessories	Order no.	
Data logger testo 176 T3, 4-channel TC logger	0572 1763	
Immersion measurement tip with mini TC plug, flexible, TC Type K, Class 1, nominal length 500 mm, Ø 1.5 mm	0602 5792	
Thermocouple with mini TC plug, TC Type K, Class 2, glass fibre cable, length 0.8 m, T _{max.} +400°C	0602 0644	
Thermocouple with mini TC plug, TC Type K, Class 2, glass fibre cable, length 1.5 m, T _{max.} +400°C	0602 0645	
Thermocouple with mini TC plug, TC Type K, Class 2, PTFE cable, length 1.5 m, T _{max.} +250°C	0602 0646	
Oven probe with clamp, TC Type K, Class 2, glass fibre cable with steel mesh, length 1.0 m, T _{max.} +300°C	0699 7002	
Thermocouple with mini TC plug, TC Type K, Class 1, PTFE cable, length 2 m, T _{max.} +250°C	0572 9001	
Data logger testo 176 T1, 1-channel Pt100 logger	0572 1761	
Penetration probe Pt100, Class A, with 2 m ribbon cable	0572 7001	

We are also happy to adapt the probes to your individual requirements.
Just send us an e-mail: customersolutions@testo.de.

