

THERMOPORT 20

Temperature Hand-Held

Hand-held thermometers of the THERMOPORT series set new standards because of the combination of the latest technology and design.

Excellent readability of the very large and illuminated display, the simple thumbwheel operation and the very robust case also allow usage in tough industrial environments.

Two measuring channels, one to connect a PT100 probe and the other to connect a thermocouple probe (E/K/J/N/R/S/T type), provide measurements between -200...1200°C (-328...2192°F).



Features

- PT100 + thermocouple connectors**
- large, illuminated display**
- HOLD / MIN / MAX / AVG readout**
- auto power off**
- real time clock**
- °C / °F selectable**
- recalibration by user**

Technical Data

Measuring values

	Channel 1	Channel 2
Sensor type	PT100 (4-wires)	thermocouple
Measuring range	-200...500°C (-328...932°F)	-200...1200°C (-328...2192°F)
Accuracy electronics	±0.1°C (-100...200°C) otherwise ±0.2°C ±0.18°F (-148...392°F) otherwise ±0.36°F	± (0.5°C/0.9°F ± 0.2% of AVG)
Resolution	±0.01°C (-100...200°C) otherwise ±0.1°C ±0.018°F (-148...392°F) otherwise ±0.18°F	0.1°C (0.18°F)

General

Supply voltage	4x 1.5V AA alkali-manganese battery		
Battery lifetime	typ. > 500h		
Working temperature range	0...50°C (32...122°F)		
CE compatibility according	EN50081-2	EN50082-2	EN55011
	EN61000-4-2	EN61000-4-3	
Housing / protection class	ABS / IP40		
Dimensions (HxWxD)	145 x 85 x 37 mm (5.7 x 3.3 x 1.5")		
Weight	approx. 400g (1 lbs)		
Display	LC display, 90 x 50 mm (3.5 x 2"), illuminated		



Ordering Guide

MODEL	
portable thermometer without sensing probe	(THERMOPORT 20)

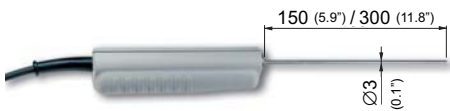
Temperature Probes:

PT100 cut-in probe, short



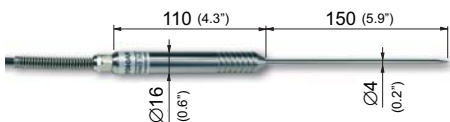
Application:	solid, liquid and powdery media
Measuring range:	-40...400°C (-40...752°F) ¹⁾
Type of sensing probe:	PT100 class B in a stainless steel protection tube
Response time τ_{90} :	10 sec.
Cable length:	approx. 1m (3.3ft), PUR-cable and handgrip applicable up to 80°C (176°F)
Order code:	HA040101

Accurate PT100 immersion probe, short and long version



Application:	gaseous, liquid and powdery media
Measuring range:	-40...400°C (-40...752°F) ¹⁾
Type of sensing probe:	PT100 class A in a stainless steel protection tube
Response time τ_{90} :	10 sec.
Cable length:	approx. 1m (3.3ft), PUR-cable and handgrip applicable up to 80°C (176°F)
Order code:	short (150mm): HA040102 long (300mm): HA040103

Robust and accurate PT100 cut-in food probe made of stainless steel



Application:	solid, liquid and powdery media
Measuring range:	-40...400°C (-40...752°F) ¹⁾
Type of sensing probe:	PT100 class A
Response time τ_{90} :	10 sec.
Cable length:	approx. 1m (3.3ft), PUR-cable and handgrip applicable up to 80°C (176°F)
Order code:	HA040104

Fast thermocouple-immersion probe for temperatures up to 1100°C (2012°F)



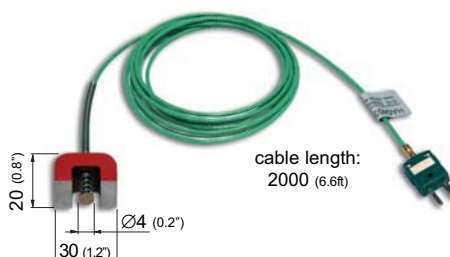
Application:	liquid and powdery media
Measuring range:	-50...1100°C (-58...2012°F) ¹⁾
Type of sensing probe:	Typ K, cl. 1, Inconel
Response time τ_{90} :	4 sec.
Cable length:	approx. 1m (3.3ft), cable and handgrip applicable up to 80°C (176°F)
Order code:	HA040302

Thermocouple surface sensor for temperatures up to 600°C (1112°F)



Application:	solid media
Measuring range:	-50...600°C (-58...1112°F) ¹⁾
Type of sensing probe:	Type K, cl. 1, stainless steel protection tube with nickel contact-plate
Response time τ_{90} :	5 sec.
Cable length:	approx. 1m (3.3ft), cable and handgrip applicable up to 80°C (176°F)
Order code:	HA040303

Magnetic thermocouple surface sensor, spring-mounted thermocouple, connection via 2m PTFE cable up to 150°C (302°F)



Application:	solid media
Measuring range:	-50...150°C (-58...302°F) ¹⁾
Type of sensing probe:	Typ K, cl. 1
Cable length:	approx. 2m (6.6ft), PTFE cable and handgrip applicable up to 150degC (302°F)
Order code:	HA040304

¹⁾Auf zulässige Betriebstemperatur des Messfühler-Handgriffes achten!