

HT 4020 High temperature thermocouple up to 1300°C, tube 22x2mm

Protection tube

Construction	Closed-end tube
Insertion length "L"	Customer to specify
Diameter	22 x 2 mm
Flange	Model MFA-B

Materials

Tube material	Customer to specify
A) 550 °C	St 35.8 (Wst 1.0305)
B) 700 °C	St 35.8 Enamel coated
C) 1200 °C	X15CrNiSi 2520 (Wst 1.4841)
D) 920 °C	SS 316 - (Wst 1.4401)
E) 1160 °C	Inconel 600
F) 1200 °C	X10CrAL24 (Wst 1.4762)
G) 1150 °C	X 18 CrNi 28 (Wst 1.4749)
H) 1300 °C	Kanthal AF

Connection head

Model	"A", according DIN 43729
Material	Cast aluminium
Cable entry	M20 x 1.5 cable gland

Measuring insert

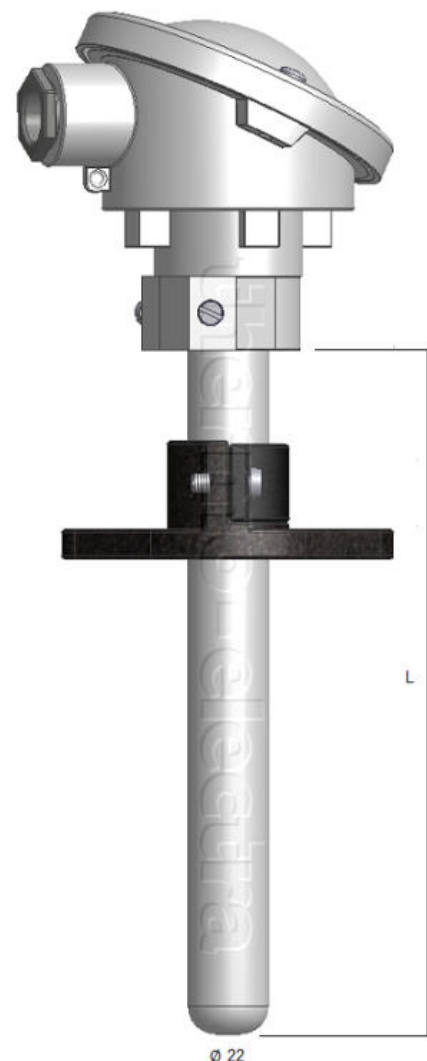
Type	Mineral or Ceramic insulated,
------	-------------------------------

Thermocouple

Calibration	K, N, R, S or B
For duplex	KK, NN, RR, SS or BB
Accuracy	According IEC 584-1

Options

Connection head	Other options possible
Transmitter 4-20 mA	Please select from transmitter chapter



Thermokoppel kleurcodes

Thermocouple Extension Type	ANSI	IEC
JX + Iron - Constantan ®		
KX + Chromel ® - Alumel ®		
TX + Copper - Constantan ®		
EX + Chromel ® - Constantan ®		
NX + Nicrosil ® - Nisil ®		
SX + Copper RX - Alloy 11		
BX + Copper-S - Copper-E		

Toleranties volgens IEC 584-2

Type	Class	Temperature range	Fixed value °C	Tolerance to temp. t (°C)
T	1	- 40°C to + 350°C	± 0,5	± 0,004 · t
	2	- 40°C to + 350°C	± 1	± 0,0075 · t
	3	- 200°C to + 40°C	± 1	± 0,015 · t
E	1	- 40°C to + 800°C	± 1,5	± 0,004 · t
	2	- 40°C to + 900°C	± 2,5	± 0,0075 · t
	3	- 200°C to + 40°C	± 2,5	± 0,015 · t
J	1	- 40°C to + 750°C	± 1,5	± 0,004 · t
	2	- 40°C to + 750°C	± 2,5	± 0,0075 · t
	3	-	-	-
K and N	1	- 40°C to + 1000°C	± 1,5	± 0,004 · t
	2	- 40°C to + 1200°C	± 2,5	± 0,0075 · t
	3	- 200°C to + 40°C	± 2,5	± 0,015 · t
R and S	1	0°C to + 1600°C	± 1,0	± [1+0,003·(t-1100)]°C
	2	0°C to + 1600°C	± 1,5	± 0,0025 · t
	3	-	-	-
B	1	-	-	-
	2	+ 600°C to + 1700°C	± 1,5	± 0,0025 · t
	3	+ 600°C to + 1700°C	± 4	± 0,005 · t

Ordering code

Model	HT 4020			
Calibration				
Length "L" in mm				
Material				

H4-1 Rev. 07/07



thermo-electra
temperature sensor solutions

Thermo Electra B.V.
Weteringweg 10
2641KM Pijnacker
The Netherlands

Phone +31 (0)15 - 3621200
Fax +31 (0)15 - 3694082
Email sales@thermo-electra.com
http://www.thermo-electra.com

