

HT 4040 Thermal shock resistant thermocouple up to 1500°C

Protection tube

Construction	Porous Ceramic outer tube
Property	Thermal shock resistant
Insertion length "L"	Customer to specify
Diameter	26 x 4 mm
Material	Ceramic 530 (C530)
Temperature	1500°C maximum
Inner tube	Gastight to protect the wires
Material	Ceramic 710 (C799) standard, Sapphire optional
Flange	Model MFA-C

Connection head

Model	"A", according DIN 43729
Material	Cast aluminium
Cable entry	M20x1.5 cable gland
Head extension	Steel 32 mm

Measuring insert

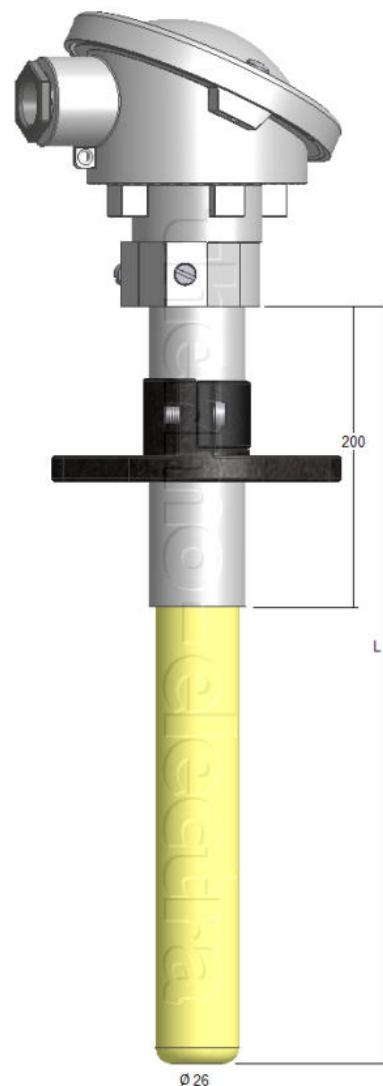
Interchangeable	Yes
Insulation	Ceramic 610 (C610)
Shape	Rod with 2, 4 or 6 holes

Thermocouple

Calibration	B, R or S
For duplex	BB, RR or SS
Wire size	0.35 or 0.5 mm. Customer to specify
Accuracy	According IEC 584-1

Options

Connection head	Other type possible
Transmitter 4-20 mA	Please select from transmitter chapter
Inner tube	Sapphire



Thermokoppel kleurcodes

Thermocouple Extension Type	ANSI	IEC
JX + Iron - Constantan ®		
KX + Chromel ® - Alumel ®		
TX + Copper - Constantan ®		
EX + Chromel ® - Constantan ®		
NX + Microsil ® - 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 4040			
Calibration				
Length "L" in mm				
Wire size				

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