CA 1004 Fast response thermocouple

Protection tube

Construction	Closed-end tube
Material	SS 316 - (Wst 1.4401)
Insertion length "L"	Customer to specify
Process connection	1 / 2" BSP

Connecton head

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

Measuring insert

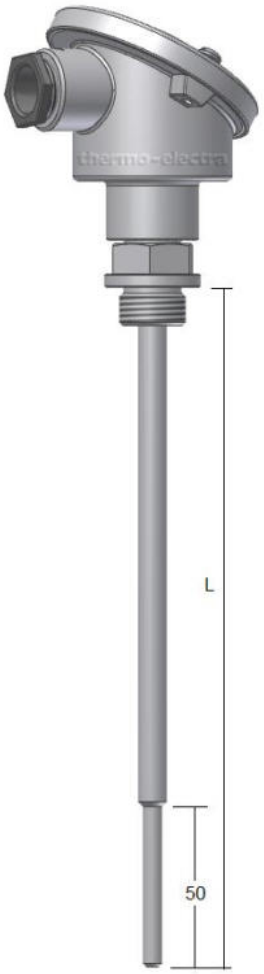
Construction	Fixed
Tip	Reduced diameter
Stem diameter	9 mm
Tip diameter	6 mm

Thermocouple

Calibration	K, T, J, E, N, U or L
For duplex	KK, TT, JJ, EE, NN, UU or LL
Accuracy	According IEC 584-1 / DIN 43710

Options

Transmitter 4-20mA	In-Head Transmitter, standard or ATEX Explosion proof. Please select from our standard range, see \"transmitter\" chapter, specify make, model and range.
Swing-Cover head	DAN. Transmitter direct mounted on measuring insert
High Swing-Cover head	DAN-H. Transmitter in cover. Insert with ceramic block



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: CA 1004 [ ] [ ]

Calibration

Insertion length "L" in mm

H1-1 Rev.0 7/07

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temperature sensor solutions

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