

CA 1021 Heavy duty thermocouple for thermowell mounting

Connection head

Model	CE
Material	Cast aluminium
Cable entry	M20x1.5 Female thread other optional
Ingress protection	IP65 / IEC529

Measuring insert

Type	MI 1025
Construction	Springloaded and replaceable
Diameter	6 mm
Length "E"	$E = U + X + 40 \text{ mm}$
Material	SS 316 - (Wst 1.4401)

Thermocouple

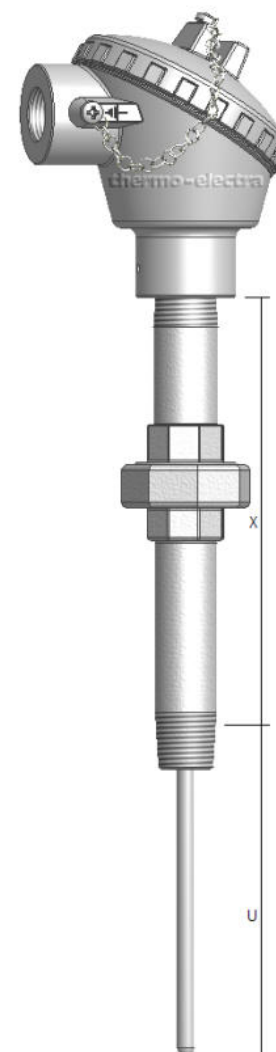
Calibration	K, T, J, E, N, U or L
For duplex	KK, TT, JJ, EE, NN, UU or LL
Accuracy	According IEC 584-1 ANSI MC96.1
Hot junction	Insulated

Extension

Type	Nipple - union - nipple
Material	Galvanized carbonsteel or SS316
Style / Connection	1 / 2" NPT male thread
Length "X"	130 mm standard, other length possible

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 + 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	CA 1021		
Calibration			
Length "U" in mm			

H1-1 Rev.0 7/07



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temperature sensor solutions

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