

TCM

Mineral oxide thermocouple for use in the plastics industry

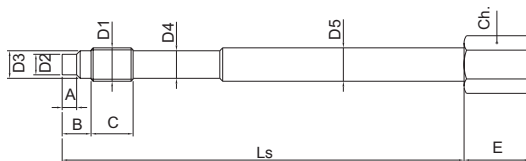


Main characteristics

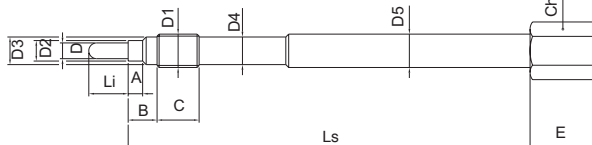
- Max. temperature limit: $-40 \dots +400^{\circ}\text{C}$
- Reference tolerances: Standards IEC 584.2 class 2:
for type J, K: $\pm 2,5^{\circ}\text{C}$ ($-40 \dots +333^{\circ}\text{C}$)
 $\pm 0.0075 [t]$ ($t > +333^{\circ}\text{C}$)
- Thermoelement with compact isolation and continuous metal sheathing (MgO isolation)
- Cable to DIN standard

MODELS

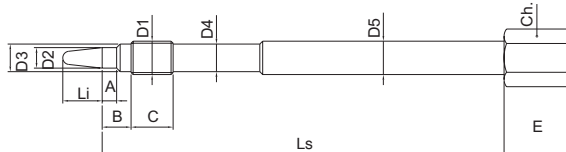
TCMCP



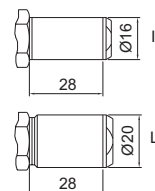
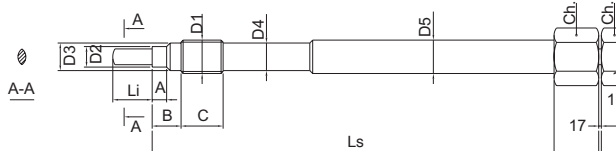
TCMCC



TCMCE



TCMGF



D1	D2	D3	D	D4	D5	A	B	C	Ls	Ch	E	Li
1/2-20UNF M18x1,5	ø 7,8 ø 10	ø 10,5 ø 16	ø 6 ø 7	ø 10,5 ø 16	ø 12,7 ø 17,8	5,5 6	11 14	16 20	90-153 90-153	17-19 19	17-25 17-25	Immersion length Immersion length

ORDER CODE

CODE

Model	
Flat tip	CP
Round tip	CC
Tapered tip	CE
Adjustable elliptical tip	GF

Element + heat junction	
Isolated single	1
Grounded single	2
Isolated double	3
Grounded double	4

Element type	
Fe - Cu/Ni	J
Ni/Cr - Ni/Al	K

Cable (to DIN std) (*)	
TTS	5
TES	6

(*) To be specified only in case of:
"Cold extension type" A, B, C
0: for the other types of "Cold extension"

Rod material	
AISI 304	A *
AISI 316 Ti	D **
Hastelloy C4	H **
AISI 316 Ti TiN	T **

(*) Available only with: Hexagon CH 17, Threading 1/2-20UNF
(**) Available only with: Hexagon CH 19, Threading 1/2-20UNF and M 18x1.5

Rod length (Ls)	
153 mm	0
90 mm	1

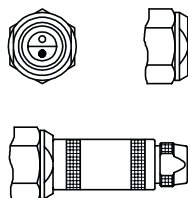
Mount threading	
M 18 x 1.5	S
1/2-20 UNF	T

Cool extension type	
Cable with free ends	A
Cable + standard male connector	B
Cable + standard male + female connector	C
Cable + stainless steel sheathing with free ends	D
Cable + stainless steel sheathing + standard male connector	E
Cable + stainless steel sheathing + standard male + female connect.	F
Stainless steel pipe ø 6 + std male connector	G
Stainless steel pipe ø 6 + std male + female connector	H
LEMO1S Conn.	I *
LEMO2S Conn.	L *
LEMO1S Conn. + female	M *
LEMO2S Conn. + female	N *

(*) Available only with: Hexagon CH 19, height E = 25mm (mod. CC, CP, CE) see drawing for mod. GF

I ... L

M ... N



Certificates
A Certificate of conformity

LENGTHS AND ACCESSORIES

Li = Immersion length (mm)
* Standard lengths: 5-10-15-20-25mm

(*) To be specified only for type CC - CE - GF

Lt = Stainless steel pipe length ø6 (mm)*
Std length from 10 to 100mm with 10mm pitch

(*) To be specified for type G and H cold extensions

Lc = Cable length (dm)
Std length from 10 to 100dm with 10dm pitch

COOL EXTENSION OUTPUTS

