

# ME 1073 Tube skin thermocouple with armoured PTFE cable

## Sheath

Construction	Weld on pad
Material	SS 316 - (Wst 1.4401)
Insulation	Mineral insulated ( MgO )
Diameter "D"	6.0 mm standard
Length "L"	Customer to specify

## Lead wire

Transition	Stainless steel sealpot with epoxy resin seal, moisture resistant
Ingress protection	IP65 / IEC529
Wire	FEP insulated flexible thermocouple wire with glassfiber braiding and stainless steel overall braid. Maximum 220°C
Lead wire length "K"	Customer to specify

## Welding pad

Material	Same as sheath
Dimensions	25 x 25 x 3 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
Hot junction	Insulated
Insulation	Mineral insulated ( MgO )
Insulation test	Tested with 500 Vdc @ 20 °C
Insulation resistance	Minimum 100 M ohm

## Options

Hot junction	Grounded hot junction
Material	Other sheath/pad material such as Inconel or Hasteloy



## Thermokoppel kleurcodes

Thermocouple Extension Type	ANSI	IEC
JX + Iron - Constantan ®		
KX + Chromel ® - Alumel ®		
TX + Copper - Constantan ®		
EX + Chromel ® - Constantan ®		
NX + Microsil ® - Nisil ®		
SX + Copper - 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

\*This datasheet is purely indicative, build-up of model code may vary from this datasheet.

Model

ME 1073

H1-1 Rev.0 7/07



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