ME 1073 Tube skin thermocouple with armoured PTFE cable

Sheath

Construction Weld on pad

MaterialSS 316 - (Wst 1.4401)InsulationMineral 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

MaterialSame as sheathDimensions25 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

InsulationMineral insulated (MgO)Insulation testTested 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

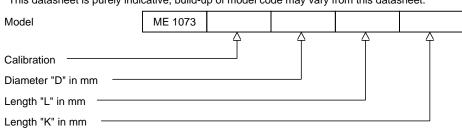
Toleranties volgens IEC 584-2

	ermocouple ension Type	ANSI	
JX	+ Iron - Constantan ®	+	+ 600
кх	+ Chromel ® - Alumel ®	100	+ 100
тх	+ Copper - Constantan ®	160	+ 100
EX	+ Chromel ® - Constantan ®	100	+ 100
NX	+ Nicrosil ® - Nisil ®	160	+ 100
SX RX	+ Copper - Alloy 11		+ 100
вх	+ Copper-S - Copper-E	+	+

Туре	Class	Temperature range	Fixed value °C	Tolerance to temp. t (°C)
Т	1 2 3	- 40°C to + 350°C - 40°C to + 350°C - 200°C to + 40°C	± 0,5 ± 1 ± 1	± 0,004 · t ± 0,0075· t ± 0,015· t
E	1 2 3	- 40°C to + 800°C - 40°C to + 900°C - 200°C to + 40°C	± 1,5 ± 2,5 ± 2,5	± 0,004 · t ± 0,0075· t ± 0,015· t
J	1 2 3	- 40°C to + 750°C - 40°C to + 750°C	± 1,5 ± 2,5	± 0,004· t ± 0,0075· t
K and N	1 2 3	- 40°C to + 1000°C - 40°C to + 1200°C - 200°C to + 40°C	± 1,5 ± 2,5 ± 2,5	± 0,004- t ± 0,0075- t ± 0,015- t
R and S	1 2 3	0°C to + 1600°C 0°C to + 1600°C	± 1,0 ± 1,5	± [1+0,003·(t-1100)]°C ± 0,0025·t
В	1 2 3	+ 600°C to + 1700°C + 600°C to + 1700°C	± 1,5 ± 4	± 0,0025·t ± 0,005·t

Ordering code

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



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