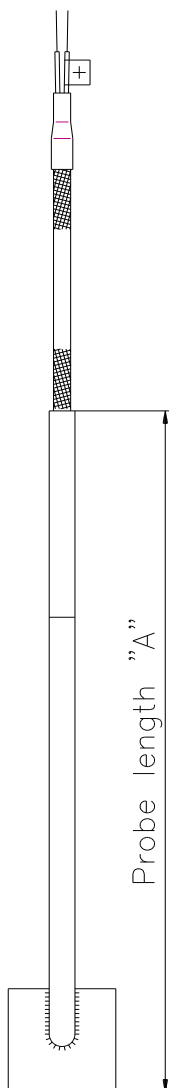


TUBE SKIN THERMOCOUPLES

with lead wire



Specifications:

Series	:TUS-20.000
Probe type	:mineral insulated (MgO) thermocouple, welded to a weld pad
Thermocouple type	:Chromel-alumel, type K
Standard limits of error	:ANSI MC 96.1 / IEC 584
Probe diameter	:6,4 mm (1/4")
Insulation material	:densely packed MgO, 99,6% purity
Sheath material	:SS 310 or Hastelloy X
Hot junction	:insulated
Min. insulation resistance	:10 Mohm at ambient temperature with 200 V DC
Probe length 'A'	:to be specified; replace box 'A' in ordering code
Lead wire	:glass fibre insulated thermocouple wire with SS braiding (type G/GS); positive wire identified with polarity mark
Length lead wire	:1000 mm
Upper temperature limit lead wire	:500 °C
Max. temperature transition	:200 °C
Weld pad dimensions	:25 x 25 x 3,2 mm
Mounting method	:longitudinal or right angle mounted on furnace tube (see drawing overleaf)
Furnace tube o.d.	:to be specified; replace box 'D' in ordering code (minimum 50 mm)
Weld pad material	:same as sheath material
Weld clamps	:one clamp will be supplied with each assembly, material same as sheath material; extra clamps to be ordered separately; see below

Ordering code:

Sheath material

SS 310
Hastelloy X

Longitudinal mounted

	'A'	'D'
TUS-20644-K	-□ mm	-□ mm
TUS-20647-K	-□ mm	-□ mm

Right angle mounted

	'A'	'D'
TUS-21644-K	-□ mm	-□ mm
TUS-21647-K	-□ mm	-□ mm

Weld clamps

TUS-90644-K
TUS-90647-K

□ = probe length 'A' and furnace tube o.d. 'D' in mm (to be specified)