

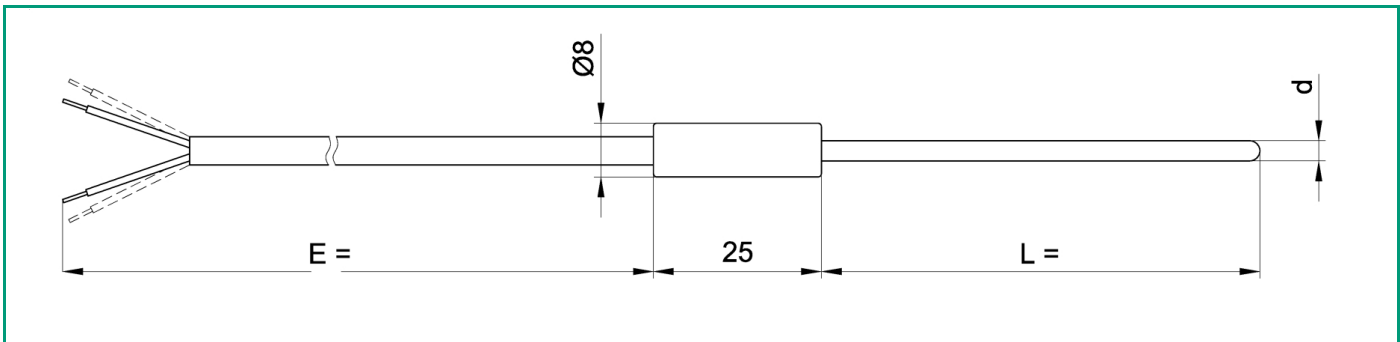
TRECOSTP

Rev. 1 - 06/07/2021

## M.I.C. PROBE WITH SILICON CABLE

Mineral insulated Resistance temperature detector  $\varnothing$  1,5 - 2 - 3 - 4,5 mm with POLYAMIDE moulded transition

- POLYAMIDE transition ( $T^{\circ}$  MAX 120°C)
- Densely packed mineral insulated construction (M.I.C.)
- Sensing part suitable for temperature up to 500°C



## TECHNICAL SPECIFICATION

Sensing element	Pt100 $\Omega$ @ 0°C Pt1000 $\Omega$ @ 0°C
Sensing Element configuration	single 2-wire single 3-wire single 4-wire
Accuracy class in accordance to IEC751 (*) (*) Pt 100 cl.A only available with 3 or 4 wires, cl.AA 4 wires only; Pt 1000 cl. A available with 2 wires only for cable lengths below 1 m, for longer cables only available with 3 or 4 wires, cl. AA 3 wires for cable lengths below 1 m, for longer cables only 4 wires.	cl. A, Operating range (in which the accuracy class is guaranteed) -30 ÷ 300°C cl. B, Operating range (in which the accuracy class is guaranteed) -50 ÷ 500°C
Sheath diameter d (*) test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step	Ø 1.5 mm, Response time < 1 seconds(*) Ø 2 mm, Response time < 1,5 seconds(*) Ø 3 mm, Response time < 3,5 seconds(*) Ø 4.5 mm, Response time < 7 seconds(*)
M.I.C. min. bending radius	3 times the outer diameter (except the sensing tip which length is ~30 mm)
Sheet material	AISI 316L
Insulation resistance	100 M $\Omega$ @ 100 Vdc.
Realizable sheath lengths L= (subject to feasibility check)	50 mm ÷ 50 m
Transition sleeve type	MOULDED Ø 8 x 25 mm
Transition sleeve material	POLYAMIDE (OVERMOULDED)
Maximum transition temperature	120°C
Fixing system	bare stem
Extension cable	silicon 2 wire AWG22 Ø4.5 mm, Working temperature -40 ÷ 180°C silicon 3 wire IEC751 AWG22 Ø4.5 mm, Working temperature -40 ÷ 180°C silicon 4 wire IEC751 AWG24 Ø4.4 mm, Working temperature -40 ÷ 180°C
Cable lengths E= (subject to feasibility check)	300 mm ÷ 50 m
Marking	marked with calibration value at 0 °C, production date and traceability code
FCM Prescriptions	Before the use is required to wash the food contact areas
Contact food type	all the foods
Materials in contact with food	AISI 316L
Type of contact	continuous
Area suitable for contact	stem for a maximum length of 1 m (measured from the tip)
Contact food temperature range	-40 ÷ 150°C
Maximum working pressure	PN 100 BAR