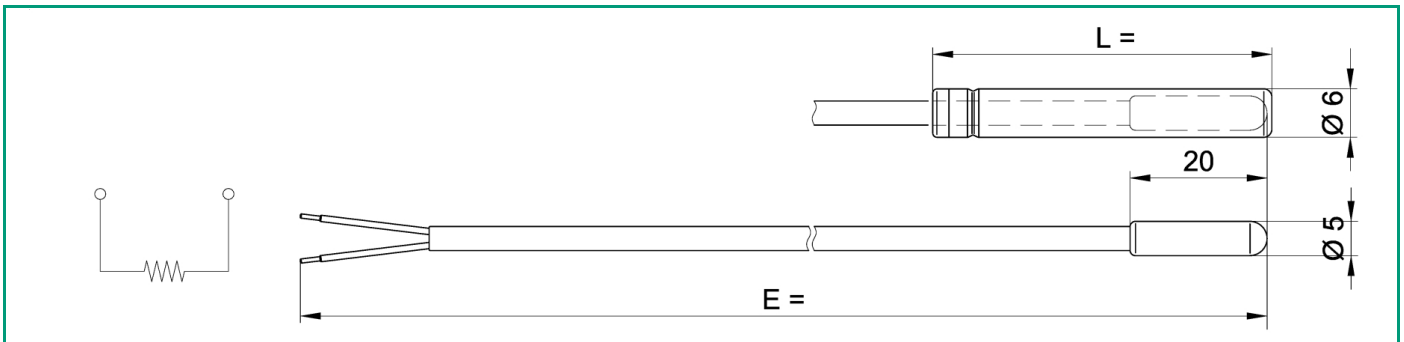


2-WIRE THERMOPLASTIC RUBBER PROBE

Airtight 2 wire double insulation rubber probe

- Pt100, Pt1000, thermistor (NTC) sensing element
- IP-68 tightness degree
- Suitable for long-time immersion in corrosive liquids
- Available with a stainless steel case



TECHNICAL SPECIFICATION

Sensing element	Pt100 Ω @ 0°C Pt1000 Ω @ 0°C NTC R(25°C)=10Kohm \pm 1%, beta(25/85)=3977 NTC R(25°C)=10Kohm \pm 1%, beta(25/85)=3435 NTC R(25°C)=10Kohm \pm 3%, beta(25/85)=3977 NTC R(25°C)=2.7Kohm \pm 1%, beta(25/85)=3977 NTC R(25°C)=10Kohm, Beta (25/85) =3969, tol \pm 0.2°C (0-70°C)
Sensing Element configuration	single 2-wire
Output signal type	thermoreistance thermistor
Accuracy class in accordance to IEC751 (*) (* The accuracy class is valid only in the temperature range indicated by the norm)	cl. A cl. B
Sensing element operating temperature range	-40 \div 105°C
Insulation resistance	100 M Ω @ 1000 Vdc.
Dielectric strength	3750 Vac
Plastic bulb dimension	\varnothing 5 x20 mm
Plastic bulb material	TPE (MOULDED)
Extension cable	TPE 2 conductors
Cable lengths E= (subject to feasibility check)	500 mm \div 100 m
Protective sheath	missing
Response time (*) (* test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step)	< 10 seconds
Product marking	marked with production date and traceability code (FOR CONSTRUCTION WITH STAINLESS STEEL TUBE ONLY)
International protection marking (*) (* According to IEC 60529)	IP68
Cable conductors	copper tinned
Number of cable conductors	2
Conductor dimension	AWG 24
Conductor feature	strand (7 wire)
Primary insulation	PP (polypropylene)
Outside diameter of single conductor (*) (* primary insulation)	about \varnothing 1.05 mm
Primary insulation colour	1 white, 1 black
Secondary insulation	TPE (thermoplastic rubber) 87 shore A
Secondary insulation colour	black
Cable size or external shape	about \varnothing 3,3 mm
Cable working temperature	-40 \div 105°C (6h @150°C)
Note	twisted conductors

ORDER CODES

IKE2#				E			X
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Sensible element	
Pt100	P1
Pt1000	P3
NTC R(25°C)= 10KΩ ± 1%, Beta (25/85)=3977	1
NTC R(25°C)= 10KΩ ± 1%, Beta (25/85)=3435	2
NTC R(25°C)= 10KΩ ± 3%, Beta (25/85)=3977	3
NTC R(25°C)= 2.7KΩ ± 1%, Beta (25/85)=3977	5
NTC R(25°C)= 10KΩ, Beta (25/85)=3969, tol. ± 0,2°C (0÷70°C)	9

Extension E = (mm)

1000	1000
2000	2000

Construction

without sheet (STD)	XXXX
with sheet Ø6x50*	6X05
with sheet Ø6x100*	6X10

Class (According to IEC 751*1)

B	B
A*2	A
NTC	X

*1 For class A and B

*2 Only Pt1000

* On request