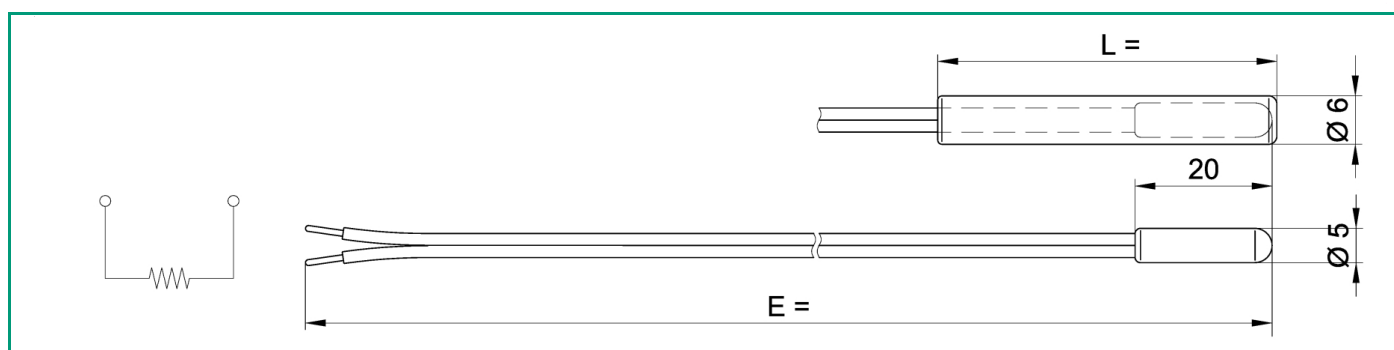
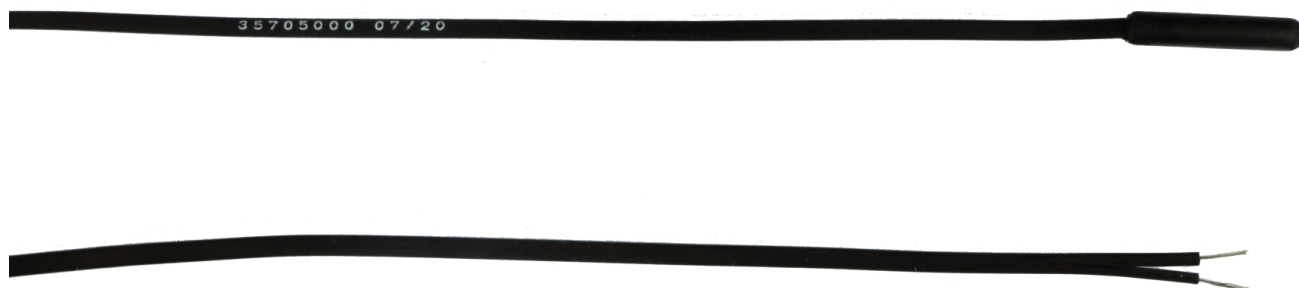


SINGLE INSULATION RUBBER PROBE

Overmoulded water tight probe with thermoplastic rubber flat cable

-Sensing element Pt100, Pt1000 or thermistor (NTC)



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)=2.7Kohm $\pm$ 3%, beta(25/85)=3977
 NTC R(25°C)=4.7Kohm $\pm$ 3%, beta(25/85)=3977
 NTC R(25°C)=5 Kohm $\pm$ 1%, beta(25/85)=3977
 NTC R(25°C)= 47000 $\pm$ 5%, Beta (25/85) =4090

Sensing Element configuration

single 2-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
 cl. B
 Thermistor (not classifiable in accordance with IEC 751)

Sensing element operating temperature range

-40 $\div$ 105°C

TECHNICAL SPECIFICATION

Insulation resistance	100 M Ω @ 1000 Vdc.
Dielectric strength	2500 Vac
Cable lengths E= (subject to feasibility check)	300 mm $\div$ 100 m
Plastic bulb dimension	$\varnothing$ 5 x 20 mm
Plastic bulb material	TPE (MOULDED)
Extension cable	TPE two-wire, single insulation
Cable conductors	copper tinned
Number of cable conductors	2
Conductor dimension	AWG 24
Conductor feature	strand (7 wire)
Primary insulation	TPE (thermoplastic rubber)
Cable size or external shape	form B flat wire 3.70 x 1.90 mm approx
Cable working temperature	-40 $\div$ 105°C (6h @ 150°C)
Protective sheath (*) test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step	missing, Response time < 10 seconds(*) $\varnothing$ 6 x L=50 mm, Sheet material INOX, Response time < 15 seconds(*)
International protection marking (*) (*) According to IEC 60529	IP67

ORDER CODES

IKS#		X		X	X
Sensible element			Extension E = (mm)		
10 K Ω $\pm$ 1% @ 25°C β (25/85) = 3977 $\pm$ 0,75%	01		800	800	
10 K Ω $\pm$ 1% @ 25°C β (25/85) = 3435 $\pm$ 1%	02		1500	1500	
2700 Ω $\pm$ 1% @ 25°C β (25/85) = 3977 $\pm$ 0,75%	05		3000	3000	