

PROBES

TEMPERATURE PROBES

NTC PROBES

The probes with NTC thermistor are designed for applications where high accuracy and the short response time are important. The probes pass several tests, this is why we guarantee a very high reliability.







PROBE	DESCRIPTION	CABLE	TEMP. RANGE	
NS6	General purpose, resinated, IP67, inox steel cap "dimension Ø6x30mm"	PVC 1,5m – 3,0m	-30÷80°C -22÷176°F	
NS6W	General purpose, resinated, IP67, with 6,3mm faston, inox steel cap "dimension Ø6x30mm", for WING K	PVC 1,5m – 3,0m	-30÷80°C -22÷176°F	
NS6S	General purpose, resinated, IP67, inox steel cap "dimension Ø6x30mm"	Silicone 1,5m – 3,0m	-40÷110°C -40÷230°F	
NS6SJ	General purpose, resinated, IP67, 2 pole connector, inox steel cap "dimension Ø6x30mm"	Silicone 1,5m – 3,0m	-40÷110°C -40÷230°F	
NS6SW	General purpose, resinated, IP67, with 6,3mm faston, inox steel cap "dimension Ø6x30mm", for WING K	Silicone 1,5m – 3,0m	-40÷110°C -40÷230°F	
NG6	General purpose, over-molded, IP67, thermoplastic cap "dimension Ø6x15mm"	Thermoplastic 1,5m – 3,0m	-40÷110°C -40÷230°F	
NG6F	General purpose, over-molded, IP67, with 2,8mm faston, thermoplastic cap "dimension Ø6x15mm", for XT11S 12Vac and 24Vac/dc	Thermoplastic 1,5m – 3,0m	-40÷110°C -40÷230°F	
NG6W	General purpose, over-molded, IP67, with 6,3mm faston, thermoplastic cap "dimension Ø6x15mm", for WING K	Thermoplastic 1,5m – 3,0m	-40÷110°C -40÷230°F	
NG6K	General purpose, over-molded, IP68, Hot Key connector, thermoplastic cap "dimension Ø6x15mm"	Thermoplastic 1,5m – 3,0m	-40÷110°C -40÷230°F	

NG6P	General purpose, over-molded, IP68, cap "dimension Ø5x20mm"	Thermoplastic 1,5m - 3,0m	-40÷110°C -40÷230°F	
NG6PJ	General purpose, over-molded, 2 pole connector, cap "dimension Ø5x20mm"			
NX6P	Thermoplastic, IP68, inox steel cap "dimension Ø6x20mm"	Thermoplastic 1,5m - 3,0m	-40÷110°C -40÷230°F	
NX6PJ	Thermoplastic, IP68, 2 pole connector, inox steel cap "dimension Ø6x20mm"			
NY6P	Thermoplastic, IP68, inox steel cap "dimension Ø6x50mm"	Thermoplastic 1,5m - 3,0m	-40÷110°C -40÷230°F	
NY6PJ	Thermoplastic, IP68, 2 pole connector, inox steel cap "dimension Ø6x50mm"			
NP4-67	Pipemount fitting "Ø4÷Ø30mm in diameter", IP67, over-molded, copper sensor	Thermoplastic 1,5m - 3,0m	-40÷110°C -40÷230°F	
NT6-67	Pipemount fitting "Ø4÷Ø30mm in diameter", IP67, over-molded, thermoplastic sensor			
NT6	Pipemount fitting	PVC 1,5/2,0m	0÷80°C 32÷176°F	
N6F2	General purpose, resinated, IP67, with 2,8mm faston, double insulation, nylon cap "dimension Ø7x30mm", for XT11S 230Vac	PVC 1,5/2,0m	-30÷105°C -22÷221°F	

PTC PROBES



The probes with PTC thermistor are designed for both cooling and heating applications.

The temperature range is -50÷150°C (-58÷302°F).

PROBE	DESCRIPTION	CABLE	TEMP. RANGE	
S6	General purpose, resinated, IP67, inox steel cap "dimension Ø6x30mm"	PVC 1,5m - 3,0m	-30÷80°C -22÷176°F	
S6.R	Water proof, resinated, IP67, inox steel cap "dimension Ø6x40mm"	PVC 1,5m - 3,0m	-30÷80°C -22÷176°F	
S6.S	Water proof, resinated, inox steel cap "dimension Ø6x40mm"	Silicone 1,5m - 3,0m	-50÷120°C -58÷248°F	
S6.SH	Heating applications, inox steel cap "dimension Ø6x40mm"	Silicone 1,5m - 3,0m	-50÷150°C -58÷302°F	
SA6	Perforated for air, inox steel cap "dimension Ø6x30mm"	PVC 1,5m - 3,0m	0÷80°C 32÷176°F	
ST6	Pipemount fitting	PVC 1,5m - 3,0m	0÷80°C 32÷176°F	
SC5.5	Probe fixed with threaded male, inox steel cap "dimension Ø6x80mm"	PVC 1,5m - 3,0m	-30÷80°C -22÷176°F	


Pt1000 PROBES

Pt1000 probes are suitable for all applications where the temperature is between $-50\div 120^{\circ}\text{C}$ ($-58\div 248^{\circ}\text{F}$) and it is important to maintain precision over long distances.

PROBE	DESCRIPTION	CABLE	TEMP. RANGE	
PMG5P	Thermoplastic, resinated, IP68, cap "dimension $\varnothing 5 \times 20\text{mm}$ "	Thermoplastic 1,5m - 3,0m	$-50\div 110^{\circ}\text{C}$ $-58\div 230^{\circ}\text{F}$	
PMP4-67	Pipemount fitting " $\varnothing 4\div \varnothing 30\text{mm}$ in diameter", IP67, over-molded, copper sensor	Thermoplastic 1,5m - 3,0m	$-50\div 110^{\circ}\text{C}$ $-58\div 230^{\circ}\text{F}$	
PMT6-67	Pipemount fitting " $\varnothing 4\div \varnothing 30\text{mm}$ in diameter", IP67, over-molded, thermoplastic sensor	Thermoplastic 1,5m	$-50\div 120^{\circ}\text{C}$ $-58\div 248^{\circ}\text{F}$	




PRODUCT PROBE NTC/Pt1000

The product probes with NTC or Pt1000 sensors allow the simulation and display of product temperature and manage alarms according to the temperature near the product and not the air around it. Thanks to the magnets, these probes are particularly suitable for use on shelves.

PROBE	DESCRIPTION	CABLE	TEMP. RANGE	
NGPOP	NTC sensor, thermoplastic, IP68, 100x100mm	Thermoplastic 5m	$-40\div 110^{\circ}\text{C}$ $-40\div 230^{\circ}\text{F}$	
PMGPOP	Pt1000 sensor, thermoplastic, IP68, 100x100mm	Thermoplastic 5m	$-50\div 120^{\circ}\text{C}$ $-58\div 248^{\circ}\text{F}$	





PTC/NTC INSERT PROBES

The insert probes with PTC or NTC sensor are suitable for applications where it is important to know the core temperature of goods. They are generally used together with cooking oven or blast chiller controllers.

PROBE	DESCRIPTION	CABLE	TEMP. RANGE	
SPC10PS	PTC sensor, plastic handle, inox steel cap "dimension $\varnothing 3,5 \times 100\text{mm}$ "	Silicone 3m	$-38\div 80^{\circ}\text{C}$ $-36\div 176^{\circ}\text{F}$	
NPC10PS	NTC sensor, plastic handle, inox steel cap "dimension $\varnothing 3,5 \times 100\text{mm}$ "	Silicone 3m	$-30\div 80^{\circ}\text{C}$ $-86\div 176^{\circ}\text{F}$	
SPC10IS	PTC sensor, plastic handle, inox steel cap "dimension $\varnothing 3,5 \times 100\text{mm}$ "	Silicone 3m	$-50\div 120^{\circ}\text{C}$ $-58\div 248^{\circ}\text{F}$	
NPC10IS	NTC sensor, plastic handle, inox steel cap "dimension $\varnothing 3,5 \times 100\text{mm}$ "	Silicone 3m	$-50\div 120^{\circ}\text{C}$ $-58\div 248^{\circ}\text{F}$	
SPC10IA	PTC sensor, plastic handle, inox steel cap "dimension $\varnothing 3,5 \times 100\text{mm}$ "	Silicone for use with food 3m	$-50\div 120^{\circ}\text{C}$ $-58\div 248^{\circ}\text{F}$	
NPC10IA	NTC sensor, plastic handle, inox steel cap "dimension $\varnothing 3,5 \times 100\text{mm}$ "	Silicone for use with food 3m	$-50\div 120^{\circ}\text{C}$ $-58\div 248^{\circ}\text{F}$	

Pt100 THERMORESISTORS

Thermoresistance (RTD) probes are suitable when a high precision and low response time is necessary. The operating range of the Pt100 sensor is from $-70\div 500^{\circ}\text{C}$ ($-94\div 932^{\circ}\text{F}$), the precision is according to standard IEC751.

PROBE	DESCRIPTION	CABLE	TEMP. RANGE	
PT6	General purpose, 3 wires, inox steel cap "dimension $\varnothing 6 \times 100\text{mm}$ "	PVC 2m	$-30\div 105^{\circ}\text{C}$ $-22\div 221^{\circ}\text{F}$	
PT6.S	Protected, 3 wires, inox steel cap "dimension $\varnothing 6 \times 100\text{mm}$ "	Silicone 2m	$-60\div 200^{\circ}\text{C}$ $-76\div 392^{\circ}\text{F}$	
PT6.F	Protected, 3 wires, inox steel cap "dimension $\varnothing 6 \times 100\text{mm}$ "	Vetrotex 2m	$-60\div 350^{\circ}\text{C}$ $-76\div 662^{\circ}\text{F}$	
PT310	Compact, with male connection, 2 wires, inox steel cap "dimension $\varnothing 3 \times 100\text{mm}$ "	Silicone 2m	$-70\div 500^{\circ}\text{C}$ $-94\div 932^{\circ}\text{F}$	
PT315	Compact, with male connection, 2 wires, inox steel cap "dimension $\varnothing 3 \times 150\text{mm}$ "	Silicone 2m	$-70\div 500^{\circ}\text{C}$ $-94\div 932^{\circ}\text{F}$	

TC THERMOCOUPLES

Thermocouple (TC) probes are suitable when a short response time and high shock resistance are necessary. The operating range of the TCJ sensor is from $0\div 600^{\circ}\text{C}$ ($32\div 1112^{\circ}\text{F}$) and the range of the TCK is from $0\div 1150^{\circ}\text{C}$ ($32\div 2102^{\circ}\text{F}$), the precision is according to standard IEC584-2.

PROBE	DESCRIPTION	TEMP. RANGE	
TJ6	General purpose, protected, Fe-CO, cap "dimension $\varnothing 6 \times 100\text{mm}$ ", 2,0/3,0m vetrotex cable	$0\div 350^{\circ}\text{C}$ $32\div 662^{\circ}\text{F}$	
TK6	General purpose, protected, Cr-Al, cap "dimension $\varnothing 6 \times 100\text{mm}$ ", 2,0/3,0m vetrotex cable	$0\div 350^{\circ}\text{C}$ $32\div 662^{\circ}\text{F}$	
TJD215	DIN connector, Fe-CO, cap "dimension $\varnothing 2 \times 150\text{mm}$ "	$0\div 600^{\circ}\text{C}$ $32\div 1112^{\circ}\text{F}$	
TJD320	DIN connector, Fe-CO, cap "dimension $\varnothing 3 \times 200\text{mm}$ "	$0\div 600^{\circ}\text{C}$ $32\div 1112^{\circ}\text{F}$	
TKD215	DIN connector, Cr-Al, cap "dimension $\varnothing 2 \times 150\text{mm}$ "	$0\div 1150^{\circ}\text{C}$ $32\div 2102^{\circ}\text{F}$	
TKD320	DIN connector, Cr-Al, cap "dimension $\varnothing 3 \times 200\text{mm}$ "	$0\div 1150^{\circ}\text{C}$ $32\div 2102^{\circ}\text{F}$	
CMJ	Compensating female connector, Fe-CO, for TJD215 and TJD320	$-40\div 200^{\circ}\text{C}$ $-40\div 392^{\circ}\text{F}$	
CMK	Compensating female connector, Cr-Al, for TKD215 and TKD320	$-40\div 200^{\circ}\text{C}$ $-40\div 392^{\circ}\text{F}$	