

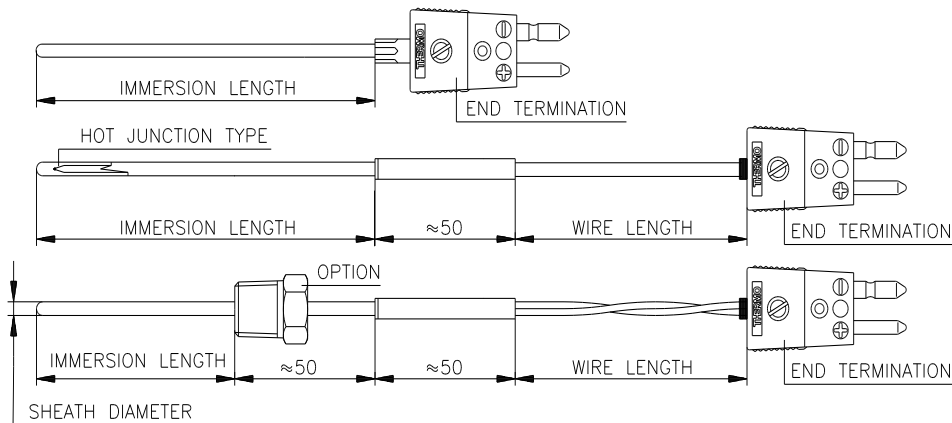
MINIATURE RESISTANCE TEMPERATURE DETECTOR

R

R Miniature Resistance Temperature Detector							
Code	Resistance Value	Code	Resistance Value	Code	Resistance Value		
A	Pt50 ↓	C	Pt500 ↓	D	Pt1000 ↓		
P	Pt100 □						
<i>(Pt resistance values according IEC.751)</i>							
Code	Construction ¹⁾	Temperature	Diameters	Code	Construction ²⁾	Temperature	Diameters
1	Rigid-PVC	+0/+80 °C	4,8 to 6,4 mm	4	Bendable	-50/+300 °C	1,6 & 2,0 mm
2	Rigid-SI	-25/+180 °C	4,8 to 6,4 mm	5	Bendable	-200/+400 °C	3,0 & 3,2 mm
3	Rigid TEX	-50/+200 °C	3,2 to 6,4 mm	6	Bendable	-200/+550 °C	4,8 to 6,4 mm
Code	Tolerance	Code	Tolerance	Code	Tolerance		
A	Class A ¹	C	1/3 Class B ¹	E	1/10 Class B ²		
B	Class B	D	1/5 Class B ²				
<i>(Tolerances as per IEC 751, ¹ For 3 and 4 wire only, ² For 4 wire only)</i>							
Code	Element Type	Code	Element Type	Code	Element Type	Colour coded as per IEC 751	
1	2 Wire single	3	3 Wire single	5	4 Wire single		
2	2 Wire duplex	4	3 Wire duplex	6	4 Wire duplex		
Code	Sheath Diameter	Code	Sheath Diameter	Code	Sheath Diameter	Sheath material: SS 316	
F	1,6 mm (1/16")	K	3,2 mm (1/8")	P	6,4 mm (1/4")		
G	2,0 mm	M	4,8 mm (3/16")				
J	3,0 mm	N	6,0 mm				
Immersion Length¹⁺²⁾ Specify immersion length in mm. Always use 4 characters including leading zero's. 10 meters and above use "m" as 3rd digit. 100 meters and above use "m" as 4th digit <i>(Enter '0000' when no wire is selected)</i>							
Code	Wire type	Code	Wire type				
A	P	H	SS Flexible armour + TEX				
B	P/P	J	Glassfibre + galv. steel braiding				
C	P/CuPTW	K	Si/Si				
D	TEX	L	Si/CuSITW				
E	TEX/CuTEXTW	X	No leadwire				
F	TEX/TEXTW						
Wire length Specify wire length in mm. Always use 4 characters including leading zero's. 10 meters and above use "m" as 3rd digit. 100 meters and above use "m" as 4th digit <i>(Enter '0000' when no wire is selected)</i>							
Code	End Termination (Connectors)	Code	End Termination (Connectors)				
A	Bare ends	P	Lemo size 0 female				
B	Standard male	Q	Lemo size 1 female				
C	Standard female	R	Lemo size 2 female				
D	High Temp standard male	S	Lemo size 0 male				
K	Miniature male	T	Lemo size 1 male				
L	Miniature female	U	Lemo size 2 male				
M	High Temp miniature male	V	Junction Box connector ¹				
<i>(¹ For flexible armour only)</i>							
Code	Options						
X	No option						
A	Bracket with wire clamp						
B	Bracket with fitting						
C	Moisture proof jacket ¹						
D	Spring on transition						
E	Pot seal M 8 x 1 + locknuts ²						
<i>(¹ Only for standard & miniatur Connectors, ² only for Ø 1,6 to 3,0 mm sheath dia.)</i>							
Code	Options						
X	No option						
F	Fixed plug 1/8"NPT (SS316)						
G	Fixed plug 1/4"NPT (SS316)						
H	Fixed plug 1/2"NPT (SS316)						
J	Fixed plug 1/8"BSPP (SS316)						
L	Fixed plug 1/2"BSPP (SS316)						
¹⁾ <u>Rigid construction:</u> min. immersion length : 15 mm max. immersion length : 500 mm							
²⁾ <u>Bendable construction:</u> min. immersion length : 50 mm max. immersion length : 2-wire : 750 mm 3-wire : 15 m 4-wire : 30 m							
BLACK CODES ARE STANDARD COMBINATIONS							
R							Your ordering code

MINIATURE RESISTANCE TEMPERATURE DETECTOR

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Construction:

1. Rigid	
2. Bendable	

Wire type:

2-wire		3-wire		4-wire	
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A	P/TW	: PVC insulated single	F	HF/D	: Kapton insulated
B	P/PTW	: PVC insulated	G	Si/SiTW	: Silicon insulated
C	P/CuPTW	: PVC insulated + copper braided	H	Flex. armour + TEX/TW	: Flex. armour over Teflon insulated
D	TEX/TW	: Teflon insulated	J	G/G	: Fibreglass insulated
E	TEX/CuTEXTW	: Teflon insulated + copper braided	K	G/GS	: Fibreglass ins. + SS overall braiding

End termination

A		K		V ⁵	
B		M			
D		L			
C		P/U			

⁵ For flexible armour only

Options

A		C ⁶		E ⁷	
B		D			

⁶ Only for standard & miniature, ⁷ Only for Ø. 1,5 to 3,0 sheath dia.)

Because of the large number of possible combinations, some constructions will be subject to availability of materials and technical feasibility. Please contact your nearest THERMO ELECTRIC office for confirmation. Other calibrations e.g. Tungsten/Rhenium, diameters e.g. 8,0 mm, sheath materials e.g. Tantalum and special connectors (weather proof), sketch preferred.