

TEMPERATURE SENSOR



APPLICATIONS

Marine and Industrial applications

Tank systems

High temperature environments

Power Stations

High temperature environments with rough conditions

FEATURES

Reliable and accurate measurement with thermoresistance (RTD) or thermocouple element

Electrical connection with cable

Mineral insulated cable

Flexible stainless steel tube

Shock and Vibration Resistance 13.2-100Hz at 0.7g and 25-100Hz at 4.0g

THERMORESISTANCE (RTD) FEATURES

Sensing element PT100 or PT1000 Class B DIN EN 60751

Two, three or four wires electrical connection, single or double element

Measuring temperature range -50C to 200C

Measuring temperature range -50C to 700C

Max ambient temperature 90C

THERMOCOUPLE FEATURES

Reliable and accurate measurement with thermocouple element, single or double element

Measuring temperature range 0C to 1050C.
Sheath material AISI310

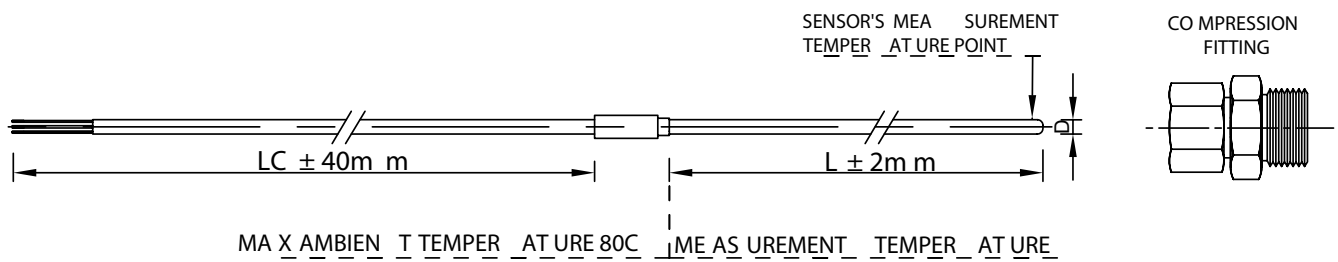
Measuring temperature range 0C to 1150C.
Sheath material INCONEL 600

Max ambient temperature 90C





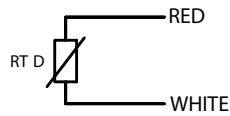
MIHT: Mineral insulated cable, flexible stainless steel tube



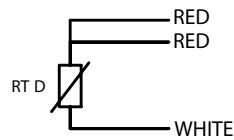


Thermoresistance. Cable Color code according to DIN EN 60751

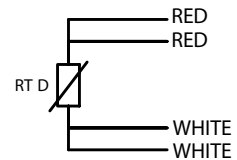
1 x RTD 2 wires



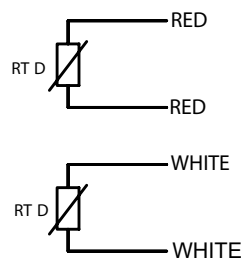
1 x RTD 3 wires



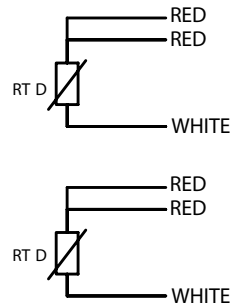
1 x RTD 4 wires



2 x RTD 2 wires

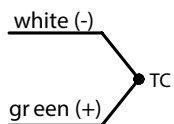


2 x RTD 3 wires

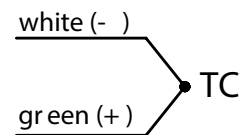
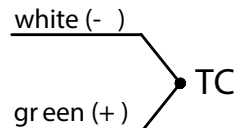


Thermocouple. Color code according to EN 60584-1

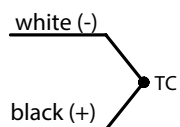
1xK (1xNiCr-NiAl)



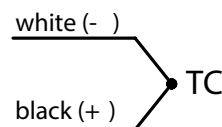
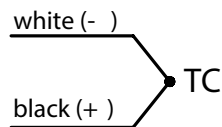
2xK (2xNiCr-NiAl)



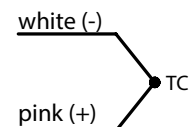
1xJ (1xFe-CuNi)



2xJ (2xFe-CuNi)



1xN (1xNiCrSi-NiSiMg)





ORDER CODE FOR MIHT

SENSOR ELEMENT: THERMORESISTANCE (RTD) OR THERMOCOUPLE

1xPT100 Class B - 2 Wires DIN EN 60751	1						
1xPT100 Class B - 3 Wires DIN EN 60751	2						
1xPT100 Class B - 4 Wires DIN EN 60751	3						
2xPT100 Class B - 4 Wires DIN EN 60751	4						
2xPT100 Class B - 6 Wires DIN EN 60751	5						
1xPT1000 Class B - 2 Wires DIN EN 60751	6						
1xPT1000 Class B - 3 Wires DIN EN 60751	7						
1xPT1000 Class B - 4 Wires DIN EN 60751	8						
2xPT1000 Class B - 4 Wires DIN EN 60751	9						
2xPT1000 Class B - 6 Wires DIN EN 60751	10						
1xTYPE K (NiCr-NiAl) Class 1 EN60584-1	1K						
2xTYPE K (NiCr-NiAl) Class 1 EN60584-1	2K						
1xTYPE J (Fe-CuNi) Class 1 EN60584-1	1J						
2xTYPE J (Fe-CuNi) Class 1 EN60584-1	2J						
1xTYPE N (NiCrSi-NiSiMg) Class 1 EN60584-1	1N						

LENGTH L [mm ±2]

From 50mm to 35.000mm	---						
OTHER LENGTH L[mm] ON REQUEST	XXX						

PROTECTION SHEATH MATERIAL

AISI 316 / -50C to 200C (element sensor RTD)			RL				
AISI 316 / -50C to 700C (element sensor RTD)			RH				
AISI 310 / 0C to 1050C (element sensor THERMOCOUPLE)			TH				
INCONEL 600 / 0C to 1150C (element sensor THERMOCOUPLE)			IN				

DIAMETER D[mm]

2.0				2			
3.0				3			
3.2				3.2			
4.5				4.5			
4.8				4.8			
6.0				6			
8.0				8			

CABLE LENGTH LC[mm ±40]

From 500mm to 10.000mm					---		
OTHER CABLE LENGTH LC[mm] ON REQUEST					XXX		

CABLE MATERIAL

PTFE/PTFE/Screen (-60C to 260C)						PPS	
- OTHER CABLE MATERIAL ON REQUEST						XXX	

COMPRESSION FITTING

0 (NO COMPRESSION FITTING)							0
- G1/8"							G18
- G1/4"							G14
- G1/2"							G12
- M14x1.5							M14
- M16x1.5							M16
OTHER COMPRESSION FITTING ON REQUEST							XXX

ORDERING EXAMPLE: MIHT-1K-200-TH-3-5-PPS-G18

www.analysis-ltd.com.gr

Version: MIHT.1.7-22

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