THERMOCOUPLE THERMOMETER

Measuring insert: Fixed

Type: TC-TM1

Sheet No. 3-35 V2.1

5550-E010818V2.1

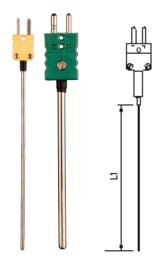


Application:

- For measuring temperatures in situations that require the sensor:
 - to be robust
 - to be flexible/ bendable
 - to have a quick reaction time
- Usually applied in:
 - Processing plants
 - Engines
 - Power plants

Properties:

- Thermocouple thermometer type K, J, E, N, T, S and R in acc. with DIN IEC 584-1
- Constructed in accordance with DIN 43733
- · Measuring inset: fixed
- Process attachment: coupling, soldering or other mechanical means of attachment
- Outer protective sheath: various materials depending on the task in question
- Ámbient temperatures min/max: 25/+120°C (Depending on cable insulation)



MECHANICAL SPECIFICATIONS:

Protective tube:	
Sensor diameter:	
Immersion length:	
Process attachment:	

ELECTRICAL SPECIFICATIONS:

Sensor element: max +1150°C Type K (NiCr-Ni) Type J (Fe-CuNi) max +700°C Type E (NiCr-CuNi) max +800°C Type N (NiCrSi-Ni) max +1250°C Type T (Cu-CuNi) max +300°C Type R (Pt13%Rh-Pt): max +1600°C Type S (Pt10%Rh-Pt): max +1600°C Special -Number of thermocouples: 1xTC Special -Tolerance in acc. with DIN 43732: Class 1 for K,J,E,N (i.e. $\pm 1.5^{\circ}$ C or $\pm (0.0040xT)$ Class 1 for R,S (i.e. ±1,0°C in the area 0-1100°C) Class 2 for K,J,E,N (i.e. $\pm 2,5$ °C or $\pm (0,0075xT)$ Class 2 for R,S,B (i.e. $\pm 2,5$ °C or $\pm (0,0025xT$ Special

----Electrical connection:
Mini plug

Plug