

Digital T/C Temperature Transmitter for Head-mounting Type



Application

1. Linearised temperature measurement with TC sensor.
2. To avoid temperature signal attenuation during long-distance transmission, it converts PT100Ω into standard analog current output 4~20mA DC (2-wire)
3. In this way, a stable and accurate figure can be collected and shown on the display of terminal instrument. The instrument includes PLC, digital display, industrial computer, etc.

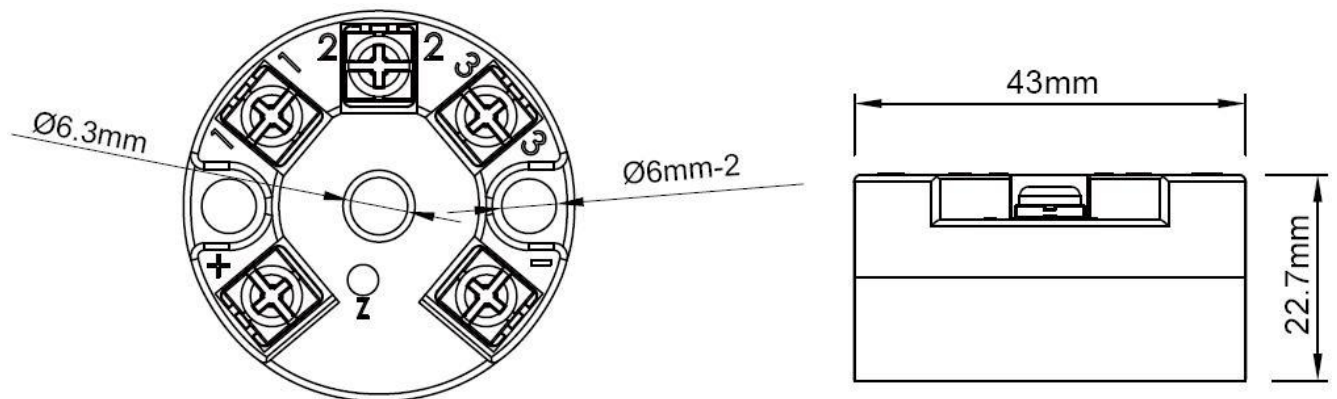
Features

1. Accuracy : MTD71: ± 0.2 % of F.S.
2. ZERO adjustment

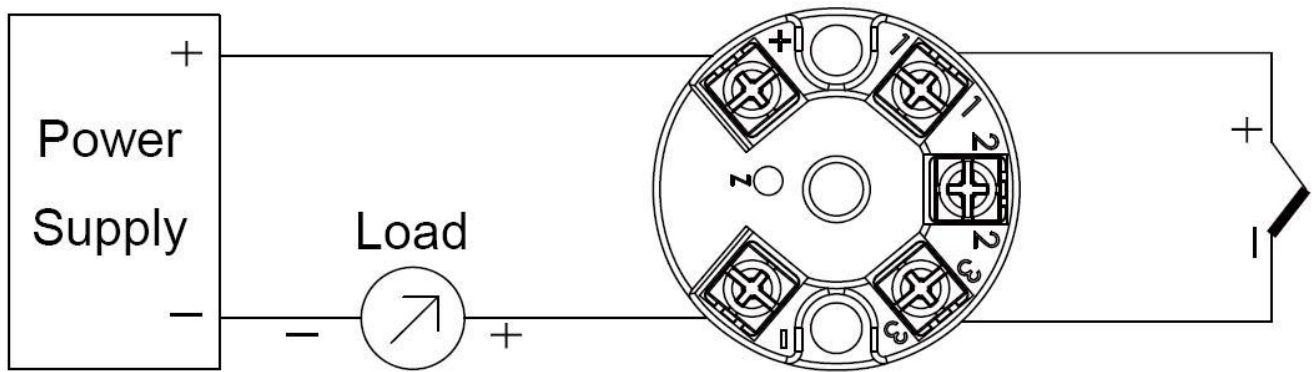
Standard Specification

INPUT	
Input	Thermocouple type K
Measuring range	0~1200°C
OUTPUT	
Output	4~20 mA ; 2-wire
Accuracy	±0.2 % of F.S.
Accuracy of cold junction compensation	< 0.5°C (at 0~50°C)
Load resistance	≤ (supply voltage - 8 V) / 0.02A Ω
Output calibration (ZERO) adjustment range	±10%
Response time	< 250 ms
PROTECTION	
Electrical protection	Polarity & Sensor disconnection protection
Sensor disconnection protection	output 22.3mA
Certification	CE
ELECTRICAL SPECIFICATION	
Power supply	10~30 VDC
Working temperature	0~50°C
Working humidity	0~95%
Storage temperature	-20~70°C
Temperature drift	< ± 0.015 % fs/°C
Electrical connection	terminal screw
Protection degree	housing: IP30 ; terminal: IP10
Housing	ABS
Weight	55g

External Dimension



Diagram



Order information

MT **D** 71 - **2** **080**
A B C

(A) Product Type	(B) Input	(C) Temperature Range		
D : digital type	2 : T/C (type K)	005 : 0~200°C	060 : 0~600°C	120 : 0~1200°C
		040 : 0~400°C	080 : 0~800°C	W : special span

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