

TD71

Digital T/C Temperature Transmitter for Head-mounting Type



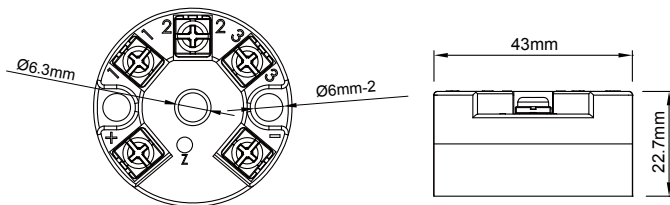
APPLICATIONS

- Linearised temperature measurement with TC sensor.
- To avoid temperature signal attenuation during long - distance transmission, it converts TC into standard simulation mode current output 4~20mA DC (2-wire)
- 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.



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

DIMENSION



TECHNICAL SHEET

Input:

Input Thermocouple type K

Measuring range 0~1200°C

Output:

Output 4~20mA (2-wire)

Accuracy ± 0.2 % of F.S.

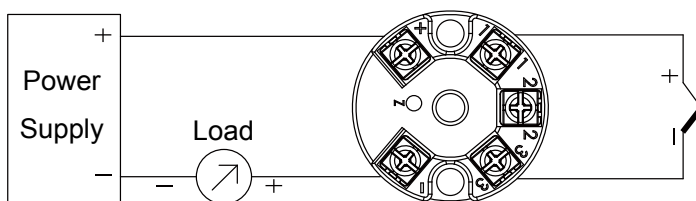
Accuracy of cold junction compensation < 0.5°C (at 0~50°C)

Load resistance ≤ (supply voltage - 8V) / 0.02A Ω

Output calibration (ZERO) adjustment range ±10%

Response time < 250 ms

CONNECTION DIAGRAM



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 5~95%

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