

HEAD MOUNTED SMART TEMPERATURE TRANSMITTER

Head mounted temperature transmitter is used for resistance thermometer (RTD), thermocouple (TC), Resistance transmitter, voltage (mV) signal input, two wire 4-20mA analog output, mounted inside transmitter (form B)

Function

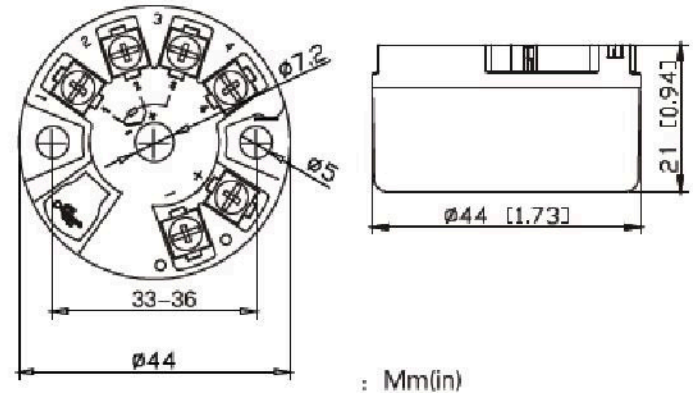
- Transfer various kinds of input signal into 4-20mA output
- Input: RTD, Thermocouple
- Configuration by PC
- 2 kinds of resistance thermometer input (RTD)
- 8 kinds of thermocouple (TC)
- Built-in cold junction compensation



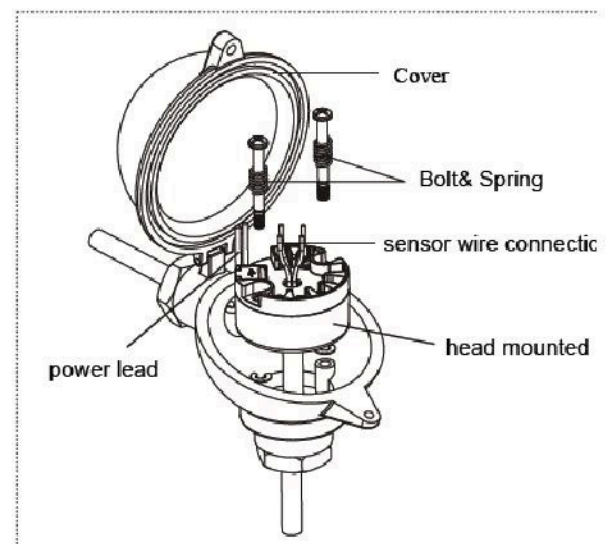
**Smart Temperature Transmitter
(Not Isolated) MI213**

| Input | | | |
|-------|-------|-----------------|-----------|
| Model | Type | Measuring Range | Min Range |
| RTD | Pt100 | -200 to 850°C | 10K |
| | Cu50 | -50 to 150°C | 10K |
| TC | B | 400 to 1820°C | 500K |
| | E | -100 to 1000°C | 50K |
| | J | -100 to 1200°C | 50K |
| | K | -180 to 1372°C | 50K |
| | N | -180 to 1300°C | 50K |
| | R | -50 to 1760°C | 500K |
| | S | -50 to 1760°C | 500K |
| | T | -200 to 400°C | 50K |

Dimension



Configuration



Technical Parameter

- Output Signal: 4-20mA
- Max Load: max. $(V \text{ power supply} - 7.5V) / 0.022A$ (current output)
- Measurement: temperature-linearity, resistance-linearity, voltage-linearity
- Circuit limit: $\leq 22Ma$
- Response time: ≤ 1 second
- Saturation current: Low side 3.9mA, high side 20.5Ma
- Alarm current: sensor danger or sensor turnoff output is 3.9mA or 22mA(except TC)
- Accuracy: 0.1%FS
- Measuring accuracy is related to measuring range
- Power supply: $U=12V$ to $40V$
- Working temperature: -40 to $85^{\circ}C$
- Storage temperature: -40 to $100^{\circ}C$
- Condensation: Allowable
- Protection: IP00; IP66 (mounted)
- Earthquake resistance: $4g/2$ to $150HZ$
- Voltage effect: can ignore
- Mounted angle: no limit
- Mount area: top of B type box