

# 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)

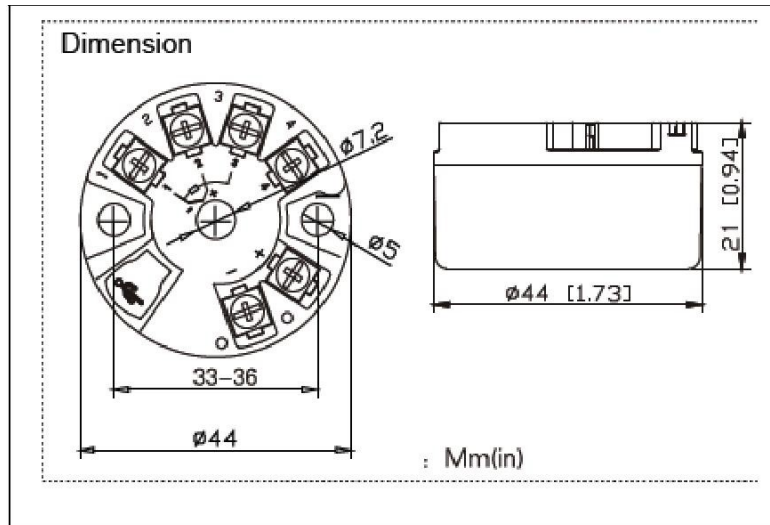
8 kinds of thermocouple (TC)

Built-in cold junction compensation

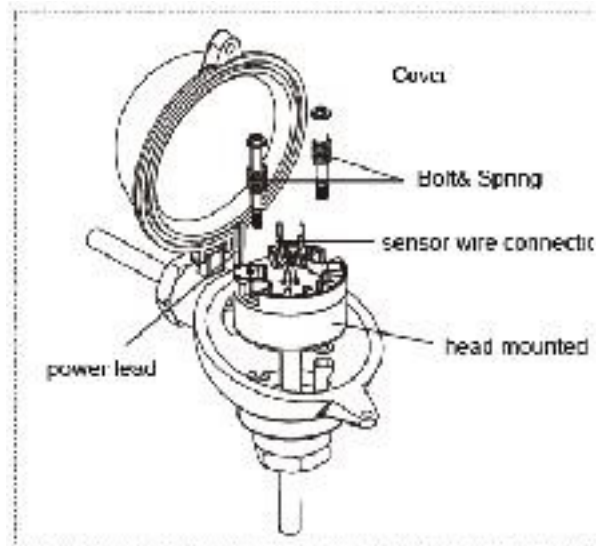


**Smart Temperature Transmitter (Not Isolated) MI213**

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



## Configuration



## Technical Parameter

Output Signal: 4-20mA

Max Load: max. (V power supply-7.5V)/0.022A (current output)

Measurement: tempt-linearity, resistance-linearity, voltage-linearity  
Circuit limit:  $\leq 22\text{Ma}$

Response time:  $\leq 1\text{second}$

Saturation current: Low side 3.9mA, high side 20.5Ma

Alarm current: sensor damger or sensor turnoff output is 3.9mA or 22mA(except TC)

Accuracy: 0.1%FS

Measuring accuracy is related to measureing

rang Power supply: U=12V to 40V

Working temperature: -40 to 85°C

Storage temperature: -40 to 100°C

Condenstaion: Allowable

Protection: IP00; IP66 (mounted)

Earthquake resistance: 4g/2 to 150HZ

Voltage effection: can ignore

Mounted angle: no limit

Mount area: top of B type box

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Caution on Safety

Read instruction manual before using the product

Information in the catalog is subject to change without notice

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