TT 213
Smart Temperature Transmitter (Head Mounted)

Features

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

Application

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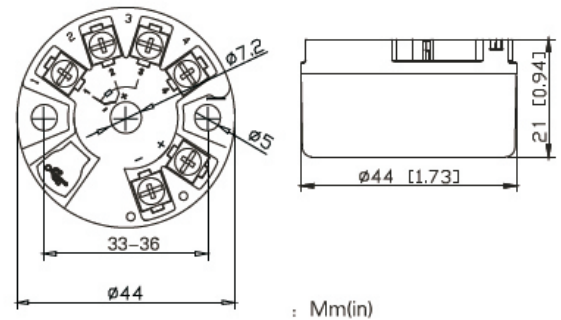
Specification

Output Signal	: 4-20mA
Max Load:max.	: (V power supply-7.5V) / 0.022A (current output)
Measurement	: tempt-lineatiry,resistance-linearity, voltage-linearity
Circuit limit	: ＜=22Ma
Response time	: ＜=1second
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

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Input (Sensor)

Model	Type	Measuring Range	Min Range
RTD	Pt100	-200 to 850°C	10K
	Cu50	-50 to150°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

: Mm(in)

Configuration

24 VDC Power Supply

Installation

Cover
Bolt& Spring
sensor wire connection
power lead
head mounted

Wire Connection

12 to 35VDC
4 to 20 mA

3 wire
TC   mV   RTD   Ω
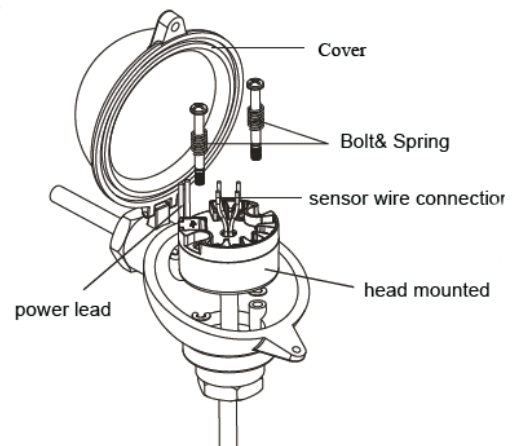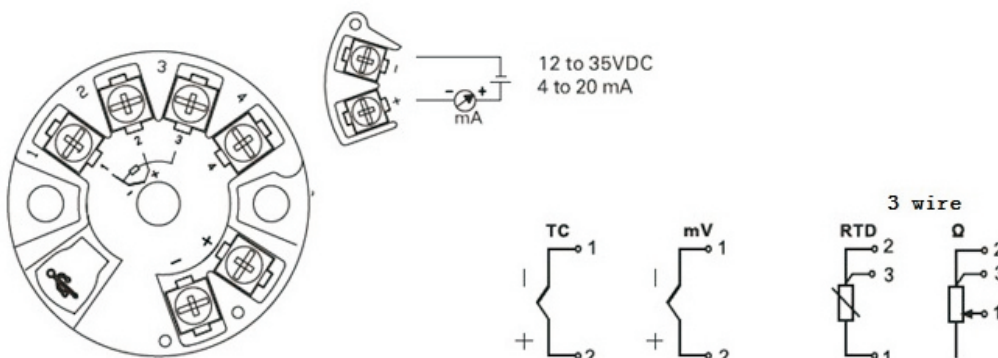
HOW TO ORDER	Example
Basic Model	TT 213
Input (Sensor Type)	
RTD Pt100, RTD Cu50, T/C Type - B, E, J, K, M, R, S, T	XXX
Range	0/100 Deg. C
Refer Sensor input Table for Range	

Ordering Example : TT 213 - Pt100 - 0/100 Deg. C

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing.
        Modifications may take place and materials specified may be replaced by others without prior notice.