

# Head Type Temperature Converter



## HMT08

HMT08 model head type temperature transducers, thermocouple or resistance thermometer as temperature sensor placed in the slot in the head of the terminal type, the value of the measured temperature an 4-20mA analog signal industrial devices that converts.

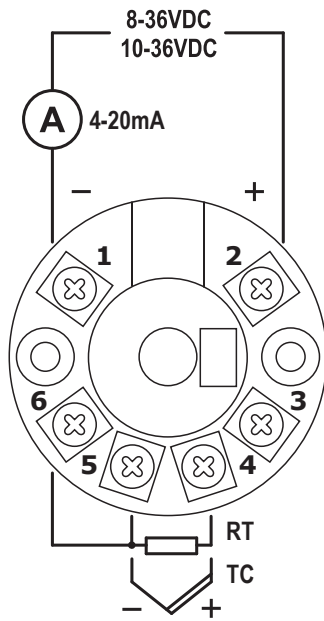
These devices are based with microcontrollers and can be configured easily by using SBA100 USB/UART converter.

Technical Specifications	
Power Supply ( PS )	HMT08-0 : 8...36VDC    HMT08-1 : 10...36VDC
Analog Input	Thermocouple= B, E, J, K, L, N, R, S, T, U Resistance Thermometer = Pt-100
Analog Input Impedance	Thermocouple =10MΩ
Analog Output	4-20mA
Measurement Accuracy (+/-)	Thermocouple: 16uV+1°C Resistance Thermometer : 0,3 °C
Output Accuracy (+/-)	0,2
Resolution	16 Bit
Galvanic Isolation	HMT08 -0 : N/A    HMT08 -1 : 1500VDC
Memory	100 years, 100.000 renewals
Sampling Time	200 ms
Response Time	0,2 ...120,0s ( Programmable )
Operating Temperature	-40...+85°C
Dimensions	Diameter = 45mm Height = 20mm
Weight	40 gr

Input Types			
Sensor Type	Standard	Min.	Max.
Type-T ( Cu-Const )	IEC60584	-200 °C	300 °C
Type-U ( Cu-Const )	IEC60584	-200 °C	600 °C
Type-J ( Fe-Const )	IEC60584	-200 °C	800 °C
Type-L ( Fe-Const )	IEC60584	-200 °C	900 °C
Type-K ( NiCr-Ni )	IEC60584	-200 °C	1200 °C
Type-E ( Cr-Const )	IEC60584	-200 °C	1200 °C
Type-N ( Nicrosil-Nisil )	IEC60584	0 °C	1200 °C
Type-S ( Pt%10Rh-Pt )	IEC60584	0 °C	1500 °C
Type-R ( Pt%13Rh-Pt )	IEC60584	0 °C	1600 °C
Type-B ( Pt%18Rh-Pt )	IEC60584	0 °C	1800 °C
Pt-100	DIN 43760	-200 °C	850 °C

Modular Structure and Connection Diagram

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Product Code

HMT08 -

Isolation :  
 0 = N/A  
 1 = 1500 VDC