

DIGITAL TEMPERATURE TRANSMITTER

serie THT2, THTI2



Specification:

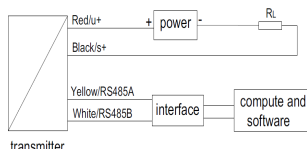
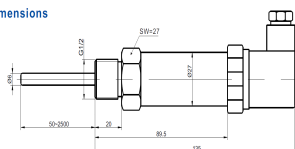
THTI2 is made with integrated construction for the direct measurement of various of liquid, gas and solid's surface temperature in the range of -200 ~500 This product is made of imported temperature element, and uses special temperature module to adjust the temperature element's linearity and output standard analog signal. THTI2 is featured with good performance and stability. It is sealed with epoxy resin, this construction makes THTI2 have good ability on anti-shock and withstand high temperature, also have high mechanical strength , is suitable for the application in bad working condition. THT2 can emit digital signal to carry on data transmission with computers directly.THT2 has widely been used for temperature measurement in such industries as petroleum industry, chemical industry, spinning and weaving, mine, medicine, electric power, environmental protection, municipal administration, food industry as well as scientific research and so on.

Description:

- Compact size easy installation
- Can be made with living display
- Using Pt100 thermal resistor
- RS485 half-duplex communication baudrate can be choosed, communication address can be set.

TECHNICAL PARAMETERS			
Temperature measurement element	Pt100 or other thermal resistor	Temperature limit	120% of measured range
Measured medium	solid, gas or liquid compatible to stainless steel	Power supply	10~30VDC(15~30VDC for with indicator
Measured medium's temperature	-200℃~+500℃	Long term stability	0.15%FS/year
Insert depth	50mm~2500mm(can be made upon customer's request	Circuit temperature shift	<±0.75%FS/50℃
Communication	MODBUS protocol (RS485 interface)	Response time	<1ms
Output signal	4~20mA	Process connection	G1/2 , M20x1,5, 1/2NTP
Accuracy	0.2%FS,0.5%FS(standard),1%FS	Electrical connection	DIN 43650
Circuit working temperature range	-30℃~+80℃	Material of housing	stainless steel
Storage temperature range	-40℃~+125℃		

Dimensions



Order code:

THT2						
	Range	Accuracy	Output signal	Process connection	Electrical connection	Length



THT2, THT12						
	Range	measuring range: -200°C ~+500°C				
	(X1~ X2)°C	X1 – lower limit of actual measured temperature, X2- higher limit of actual measured temperature				
		Code	Accuracy			
		C	0,25%			
		D	0,5%			
		E	1%			
			Code	Output signal		
			R	MODBUS protokol (RS485)		
				Code	Process connection	
				P2	G1/2	
				P4	M20x1,5	
				P5	1/2NPT	
				Pz	customer request	
				Code	Electrical connection	
				E1	DIN 43650	
				E2	aviation connector	
				Ez	customer request	
				Code	Length	
				L	50mm – 2 500mm	

THT2	(-50~ 200)°C	D	R	P2	E1	50mm
	Range	Accuracy	Output signal	Process connection	Electrical connection	Length