

INTEGRATED TEMPERATURE TRANSMITTER

serie THTI8



Specification:

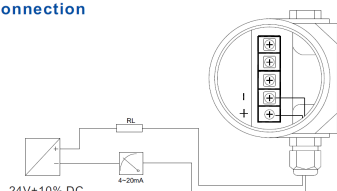
THTI8 integrated temperature transmitter uses thermocouple or thermal resistor as temperature sensitive element, it can measure temperature of all kinds of liquid, steam and gas medium from -200 to 1800 and transform thermocouple's or thermal resistance's signal to 4~20mA standard signal, simultaneously has real-time indication function on the spot. THTI8 integrated temperature transmitter has firm & artistic housing, two-layer construction, 3-1/2 LCD or LED display, 0-100% indicator optional. THTI8 uses integrated electric circuit, which guarantee its stable signal and clear display, this is very convenient to calibrate and inspect the gauges on the scene. THTI8 has general type and explosive-proof type. THTI8 has been widely used in chemical industry, petroleum industry, metallurgy industry, light industry, food, electric power, and energy management etc.

Description:

- Range:-200 ~1800°c
- Integrated structure can display its real-time measuring value
- High accuracy, anti-interference, good long-term stability
- Signal is precise, can remote transmission (max. 1000 meters)

TECHNICAL PARAMETERS			
Measuring	gas or liquids compatible stainless steel	Operating temperat. range	-20~+60℃
Temperature range	thermocouple: E、K、S、B thermal resistor: PT100,Cu50	Display	LCD digital indicator in ℃ unit, -1999~1999
Insert depth	50mm~2000mm(as customer's request)	Process connection	M27×2 (male),G1/2
Accuracy	thermoresistor: 0.25%FS, 0.5%FS(standard); thermocouple: 0.75%FS	Electrical connection	1/2NPT or M20×1.5 (female)
Output signal	4~20mA	Material of wetted part	321
Long term stability	<0.25%FS/year	Material of housing	cast alaluminium
Supply voltage	24V± 10% DC	Explosive-proof	ExialIBT6,ExdIIBT6
Load resistance	RL (max.) =(V-12)/0.02, V:power supply of transmitter	Protection	IP65

Electrical connection



Oder code:

THTI8					
Range	Diameter of protective	Process connection	Others	Insert depth	



THT18					
Code		Measuring range			
E		thermocouple 0~ 750°C			
K		thermocouple 0~ 1200°C			
S		thermocouple 0~ 1300°C			
C		Cu50 thermal resistor: 0~ 1600°C			
P		Pt100 thermal resistor: -200~ 500°C			
Z		customer request			
		Code		Diameter of protective pipe	
		L1		10mm	
		L2		12mm	
		L3		customer request	
		Code		Process connection	
		0		fixed thread G1/2	
		1		movable thread M27x2, M20x1,5	
		2		fixed flange	
		3		movable flange	
		Z		customer request	
		Code		Other functions	
		D0		without display	
		D1		LCD display	
		D2		LED display	
		D3		0~ 100% indicator	
		E0		no explosive-proof	
		E1		EXD II BT6	
		E2		EXIA II BT6	
		Code		Insert depth L(mm)	

THT18	P 0-200°C	L1	1	D1E0	80
	Range	Diameter of protective	Process connection	Others	Insert depth