

## General information about ADIT-619PT Smart High Precision Temperature Transmitter

Our field bus ADIT-619PT temperature transmitter . For temperature sensor we can provide the thermal resistor, thermocouple etc usually used in industry, we can also provide special sensor, including high temperature type, high pressure type, health type, with special material or with coating etc sensor. Customized sensor is also acceptable.

### Features

- 1-High precision, digital precision up to  $\pm 0.01^{\circ}\text{C}$
- 2-Long-term drift  $< 0.1/\text{year}$
- 3-Install easily, more flexible
- 4-To reduce the overall cost of installation, maintenance and running.
- 5-4~20mA/Hart/Profibus PA output all available
- 6-Self-diagnostics function
- 7-LCD display, Menu-guided operation.



## Technical specification of the device:

<b>Measuring media</b>	liquid, gas and steam		
<b>Measuring range</b>	-270~800 °C (PT100 thermal resistor)		
	0~1300°C, (Thermocouple K)		
<b>Input</b>	Thermocouple, RTD, MV		
<b>Power supply range</b>	9~45V (9~24V, Ex)		
<b>Output signal</b>	4~20mA/Hart/Profibus PA		
<b>Digital Accuracy</b>	±0.01°C, PT100 input		
<b>Internal cold end compensation error</b>	<0.25°C±0.1%/10°C		
<b>Temperature drift</b>	±0.05%/10°C full scale range		
	0.1% between -10°C to 60°C		
<b>Effect of power supply on range</b>	<0.005%/V full-scale range		
<b>Long term drift</b>	<0.1/year		
<b>Ambient temperature</b>	Ambient temperature		Storage temperature
	T4	Safe operation(T6)	
	-40...85°C	-40...60°C	-40...95°C
<b>Protection Class</b>	IP66/67		
<b>Relative humidity</b>	≤98%, condensation allowed		
<b>Electromagnetic compatibility</b>	Accordance with EN 61 326		

