PAKU

principle and characteristics

Temperature and humidity transmitter adopts high precision digital chip, which can be used to measure temperature and humidity and output standard industrial signals through the transmitter.

◆ Small volume, high precision, stable performance
◆ Support analog quantity, RS485/232 output
◆ Excellent cost performance, suitable for different use environment
◆ Low temperature drift, fast response
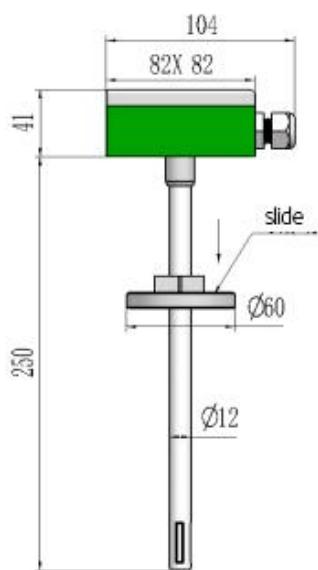◆ Power reverse and overvoltage protection

product application

It is widely used in ventilation pipes, HVAC and other fields where the temperature and humidity in the air need to be measured and controlled.

◆ Semiconductor and microelectronics industry
◆ textile industry
◆ electronic industry
    tobacco industry

◆ Seed and aquaculture

wiring diagram

1	24vdc
2	GND
3	mA/V（℃）
4	mA/V（RH）
5	RS485（A）
6	RS485（B）

dimension figure

technical specification

project	humidity（RH）	temperature（℃）
range ability	0...100%	–20...80
measurement accuracy	≤ ±2%	≤ ±0.5
stability	<0.5%/年	<0.1/年
response time	<3s	<1s
supply voltage	12...36VDC	
signal output	mA、V、RS485	
output load	mA<500Ω、V>10KΩ	
environment temperature	–20...65℃	
storage temperature	–40...85℃	
Protection grade	IP54	
shell material	PA PC	
Measuring Media	air	

Selection table

T100D–	A	C0–50	4	specification
T100D–				T100D series temperature and humidity transmitter
	A			wall–mounted
	B			split type
		C...		Temperature range: –20... 80℃ (user–defined)
		S...		Humidity range: 0... 100% (user customizable)
			4	4–20 ma output
			0	0 to 10 v output
			4R	4–20 ma output + RS485
			0R	0 to 10 v output + RS485

* Support special customization.
* The type selection table is only for technical selection, and the corresponding type of the factory model is reflected by the code.