

Main specification

▼ Dimension

96 x 48 mm

▼ Input thermocouple

Type B: 200~1800°C

Type E: -185~900°C

Type J: -200~200°C

Type K: -200~1360°C

Type R: 0~1760°C

Type S: 0~1750°C

Type T: -200~395°C

▼ Power supply

AC/DC 100~240V /

AC/DC 22~60V

▼ Power consumption

< 8.5VA (all functions output)

▼ Output

1 main control output /

2 alarms output / Analog

output / Loop power output /

RS-485

Note: the above outputs are options, it is possible to select multiple types of output for the same product

▼ Operating temperature

0°C to +60°C

▼ Storage temperature

-10°C to 70°C

▼ Operating humidity

20-90% R.H. (non-condensing)

▼ Storage humidity

20-90% R.H. (non-condensing)

▼ Temperature coefficient

100ppm/°C (0~60°C)

▼ Temperature error

Standard: 25°C

max. error: 0.3% F.S/year

Other specification

▼ Accuracy

±0.2% F.S.

▼ Cold junction compensation

±0.5°C

▼ Display screen

0.56" high brightness red LED

▼ Sampling cycle

16 cycles/sec

▼ Display range

-19999~99999

Zero adjustment: -19999~99999

▼ Over range indication

doFL / ioFL or -doFL / -ioFL

▼ Polarity indication

“-” will display when input signal polarity is reversed

▼ Disconnection indication

“OPEN” will display when thermocouple is disconnected

▼ Parameter setting

Click button to set parameter

▼ Data storage

EEPROM

▼ Alarm action

“≥ (Hi) on” or “< (Lo) on”

▼ Alarm action delay time

0~99 sec

▼ Relay contact capacity

AC 277V / 7A

DC 30V / 7A

▼ Proportion control area

0~999%

▼ Proportion control time

0~99 sec

▼ Analog output resolution

15 bits

▼ Output response time

< 250 ms (0~90%)

▼ Output capability

Voltage output: < 20mA

Current output: < 10V

▼ Communications protocol

RS-485 Modbus RTU mode

▼ Baud rate

38400 / 19200 / 9600 / 4800 bps

▼ Voltage endurance test

1.5KVac/1min (input/power)

▼ Input impedance

Voltage:

> 2V: 20KΩ/V

≤ 2V: more than 200MΩ

Current:

≥ 0.2A: 100mV (end pressure drop)

< 0.2A: 1V (end pressure drop)

5-digit Micro Process Thermocouple Meter

Model: ATM-DC5H-TC

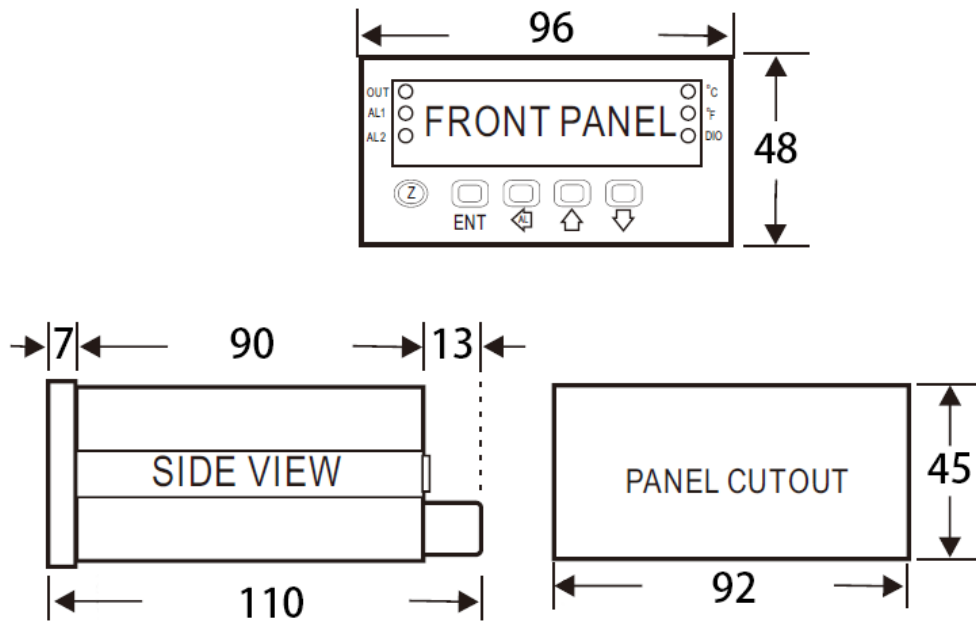


Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

- Measuring different types of thermocouples (K, J, E, R, S, B, T)
- 0.56" high brightness red LED display
- Display range: -19999~99999
- Switchable temperature unit (°C/°F)
- High stability
- Case materials adopt flameproof PC to ensure high safety

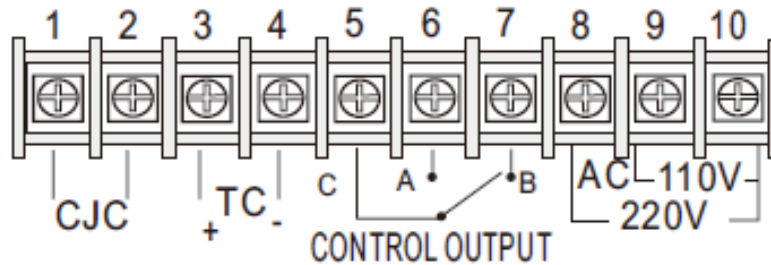
Dimension



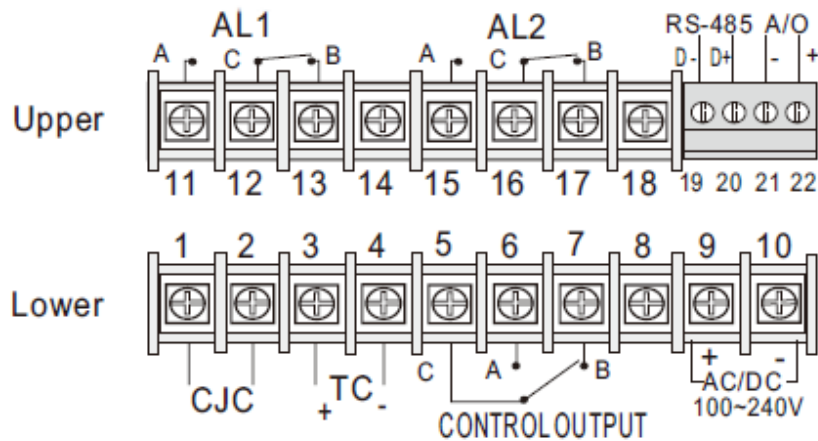
Unit: mm

Wiring connection

1 Alarm Output



2 Alarms Output



How to order

<u>ATM-DC5H-TC</u>	<u>B</u>	<u>D</u>	<u>R2</u>	<u>A</u>				
Model	Code	Input type	Code	Power supply	Code	Alarm output	Code	Output
<u>ATM-DC5H-TC</u>	B	200~1800°C	A	AD/DC 100~240V	N	None	N	None
	E	185~900°C	D	AC/DC 22~60V	R1	1 Control	Y	RS-485
	J	-200~200°C			R2	1 Control & 1 Relay	A	4~20 mA
	K	-200~1360°C			R3	1 Control & 2 Relays	V	0~10V
	R	0~1760°C					L	Loop power:
	S	0~1750°C						15-30Vdc
	T	-200~395°C						4-20mA output

Ordering example: ATM-DC5H-TC - B - D - R2 - A

Other requests

■ Inspection report (issued by Re-Atlantis)

■ Third party notarized documents