

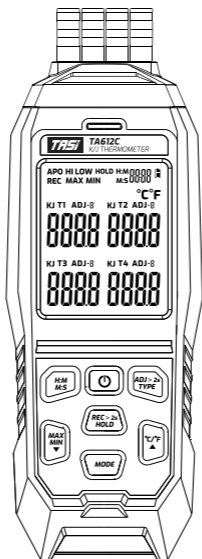
# TASI

## TA612A / B / C

### K/J THERMOMETER

## Instruction Manual

CE



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Pack #:PB01-0008

*Thank you very much for your patronage and choosing our products. Before you use this product please read this manual carefully as it will familiarize you with the correct operating procedure of our TASI product.*

**⚠ Notice:** *Before using this instrument, please read this manual carefully;*

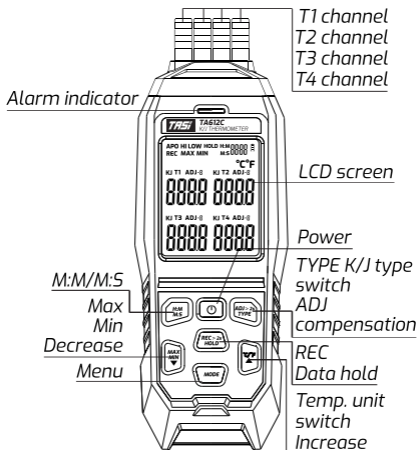
*Improper operation may cause harm to users. Please follow the instructions and pay special attention to the insulation around the connector to avoid electric shock or personal injury.*

## **Product Features**

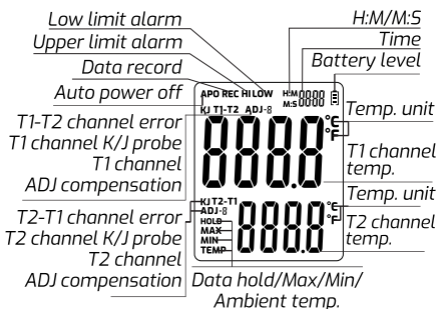
- *Support both K/J probes for temperature measurement;*
- *°C/°F temperature unit switching;*
- *With data hold, max/min/avg measurement function;*
- *Auto power off and cancel auto power off function;*
- *With ambient temperature measurement (only TA612A);*
- *With data records download and real-time PC connection function, it can display real-time data sheet and real-time data charts; export and print data sheet and charts; PC software is suitable for Win7, Win8, Win10 (only TA612C);*
- *The upper and lower limit can be set separately for each channel. When over upper lower limit, there will be a buzzer alarm sound, and the the alarm light will flash;*

- With thermocouple temperature compensation to optimize the test accuracy;
- Low battery indication function.

## Panel Instruction

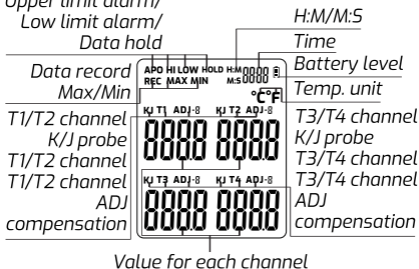


## Display TA612A/B



## TA612C




Auto power off/  
Upper limit alarm/  
Low limit alarm/  
Data hold



## Specification



Model	TA612A	TA612B	TA612C
Measurement method	Single channel	Dual channel	Four channel
Temperature difference	-	√	-
Range	K-type: -200~+1372°C (-328~+2501°F)		
	J-type: -200~+1372°C (-328~+2501°F)		
Resolution	(-99°~999.9°)0.1°C/°F; (-100°~-200°, ≥1000°)1°C/°F		
Accuracy	±0.2%+0.7°C		
Upper limit alarm	Default value: 1300°C		
Lower limit alarm	Default value: -200°C		
ADJ compensation	-9~+9°C Probe error range compensation		
USB connection	-	√	
Data logger	9999 groups		5000 groups
	Only store thermocouple temp. data (not support ambient temp. data)		
Ambient temp.	range	0~60°C	-
	accuracy	±2°C	-
Recording interval time setting	H:M/M:S		
Bracket num	1/4 inch nut		
Sampling rate	1 time/s		
Auto power off	15 mins (can be canceled)		
Working environment	-10~50°C, max 80%RH, indoor altitude<2000m		
Storage environment	-10~50°C, max 70%RH (battery removed)		
Product size	177 x 70 x 35mm		
Screen size	53x44mm		
Weight	Approx. 189g (battery not included)		
Power	3 x 1.5V AAA (LR06) battery UCB micro interface 5V		
K type thermocouple probe	Random configuration probe Measurement range: -50°C~300°C (accuracy: ±1.5%) TA612A(1pcs), TA612B(2pcs), TA612C(Apcs)		

## Button Function Description

-  : Power button, long press to turn-on and tap to turn-off;
- REC > 2s**  
**HOLD** : Data hold, long press to turn-on and tap to turn-off; long press  $\geq 2s$  to turn-on and turn-off the data hold;
- °C/°F**  
 : Temperature unit switching, uses for adding data under the Mode menu;
- MAX**  
**MIN**  
 : Short-press to cycle among the maximum value, average value, minimum value, and real-time value, uses for deducting data under the Mode menu;
- H:M**  
**M:S** : Switch recording time, H:M minimum time interval is 1 min, M:S minimum interval is 1s; lightly press to switch between H:M/M:S;
- ADJ > 2s**  
**TYPE** : Lightly press to switch thermocouple type between K-type and J-type, long press  $\geq 2s$  to enter ADJ electronic compensation temperature probe;
- MODE**: Menu button setting, tap to enter the menu, long press  $\geq 2s$  to exit the setting.

## Function Setting

### Recording interval time setting

Press **MODE** first to enter the **REC** data recording interval time setting. You can adjust the recording interval time by pressing the  up and down  keys. The default are 5s, 10s, 30s, 60s, 30min, 60min, 12h and 24h, totally 8 levels.

### **Check the stored data**

Under the MODE menu, short press to enter the menu, press 2nd time to check the groups of REC records, press ▲ up and ▼ down buttons to view data records; if the data has reached the upper limit of 9999 groups, one more data stored will overwrite the first group automatically.

### **Clear the stored data**

Under the data checking menu, long press the ▲ up and ▼ down buttons  $\geq 2$  seconds to clear the stored data, the number of groups will show 0000, it will demonstrate between 0001 and 9999 when with data records. TA612C is capable for saving 5000 groups.

### **ADJ electronic compensation temperature probe**

ADJ/TYPE: Long press  $\geq 2s$  to enter the thermocouple error compensation value setting mode. Under the compensation value setting mode, short press to switch the compensation value channel, long press  $\geq 2$  seconds to exit the compensation setting mode (the compensation setting is electronic compensation for the probe temperature error, in order to make an accurate measurement).

### **Higher limit alarm setting**

Press the MODE button to enter HI higher limit alarm setting, the default value is 1300°C, press the ▲ up and ▼ down buttons to adjust the alarm value under this menu, press the MODE button again to switch between channels. The instrument will give an audible and visible alarm when the measured value exceeds the setting value, and the HI sign will flash on the screen.

### **Lower limit alarm setting**

Press the MODE button to enter LOW lower limit alarm setting, the default value is  $-200^{\circ}\text{C}$ , press the ▲ up and ▼ down buttons to adjust the alarm value under this menu, long press the MODE button  $\geq 2\text{s}$  to exit. The instrument will give an audible and visible alarm when the measured value exceeds the setting value, and the LOW sign will flash on the screen.

### **T1-T2 channel error setting (only TA612B )**

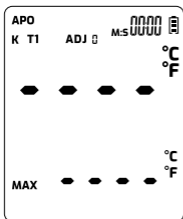
Under normal measurement mode, long press the  $^{\circ}\text{C}/^{\circ}\text{F}/\blacktriangle$  button  $\geq 2\text{s}$  to enter the T1-T2 channel error measurement mode, T1 displays the T1-T2 error value, T2 displays Current channel value, long press  $\geq 2\text{s}$  to exit the channel error measurement mode.

### **T2-T1 channel error setting (only TA612B)**

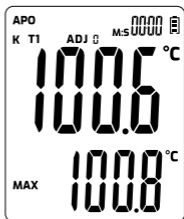
Under normal measurement mode, long press the MAX/MIN/▼ button  $\geq 2\text{s}$  to enter T2-T1 Channel error measurement mode, T2 displays the T2-T1 error value, T1 displays the current channel value, long press  $\geq 2\text{s}$  to exit the channel error measurement mode.



## Measurement display TA612A



Unmeasured window



Measuring window



REC measurement interval time window



REC records window

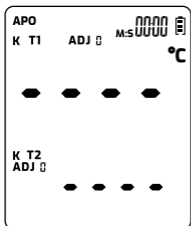


Higher limit alarm window

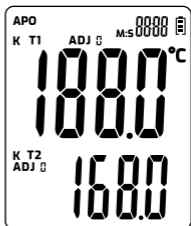


Lower limit alarm window

## Measurement display TA612B



*Unmeasured window*



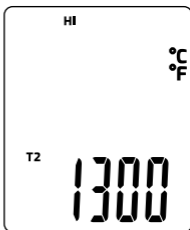
*Measuring window*



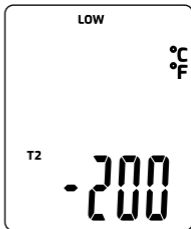
*REC measurement interval time window*



*REC records window*

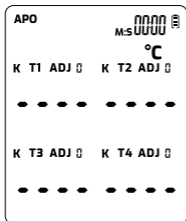


*Higher limit alarm window*

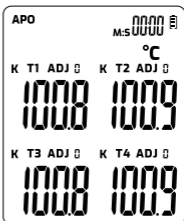


*Lower limit alarm window*

**Measurement display TA612C**



*Unmeasured window*



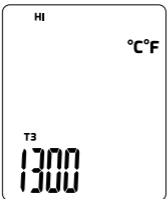
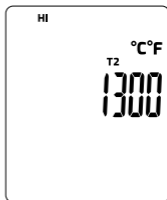
*REC records window*



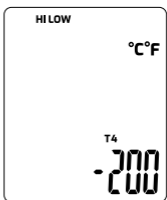
*REC measurement interval time window*



*REC records window*



*Higher limit alarm window*



*Lower limit alarm window*

## **Measurement Method**

- Press  $\odot$  to turn on the meter;
- Insert the probe into the right channel, and put it into the object to be measured;
- Check the measured value on the LCD display;
- Refer to the function description of each button, press the function button to enter each measurement function;
- Measuring done, press the power button to turn it off.

**Note:** The recorded data will be saved to avoid lost after power-off or replace the battery.

### **Warm notice:**

When moving the meter from one environment to another, please wait for 10 minutes for the meter to stabilize.

## **Auto Power Off and Cancel Auto Power Off**

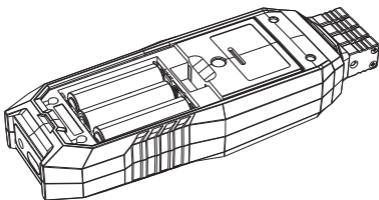
- The auto power off function switches on by default , the screen shows the APO symbol when turning on the meter. Only if you stop using it for 15 minutes will it trigger the automatic power off mode;
- If you need to cancel the automatic shutdown function, press HOLD and POWER button to turn on the meter, the APO symbol will not appear and the automatic power off function is canceled. The auto power of function can be restored as long as restart the meter;
- When the meter turns on the auto shutdown function, the display screen shows the APO symbol, APO symbol will disappear once canceled the auto shutdown function;

- The meter will not automatically power off even if the APO symbol is on under USB powered mode.

## **Battery Replacement**

- When low battery appeared, the battery level shows empty, indicating that the battery needs to be replaced;
- Replace the 3pcs AAA batteries by removing the battery compartment cover, please pay attention to the battery polarity when placing the battery into the compartment;
- Ensure that the compartment cover is securely fastened when finished.

**Remark:** when the battery is lower than about 3.8V, the battery low voltage prompt.



## **Maintenance**

- Do not measure for a long time under high temperature and high humidity environment;
- Regular calibrated is needed to maintain the accuracy of the device;
- Please remove the battery if not used for a long time;
- If your device does not work properly, and the repair requirements was confirmed by the manufacturer or dealer. The user should provide a text failure description and packing list , and the packaging should be well cushioned and protected.

Please scan the QR code to download the driver software



# **TASI**



Product: K/J THERMOMETER

Model: TA612A/B/C

Manufacture place: **MADE IN CHINA**

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