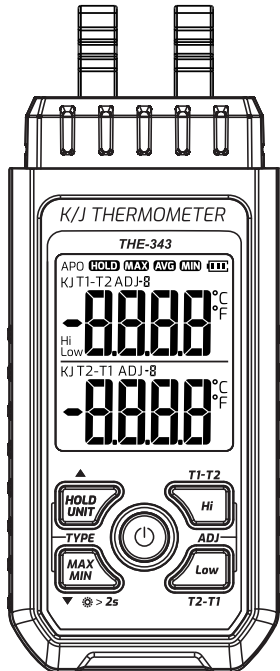


THE-343 K/J THERMOMETER Instruction Manual



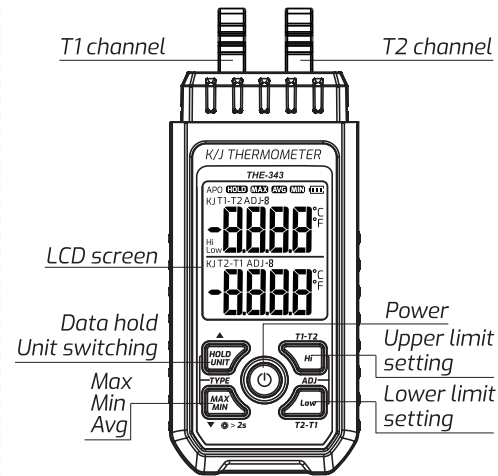
Thank you very much for your patronage and choosing our products. Before you use this product please read this manual carefully as it will familiarize you with the correct operating procedure of our product.

△ 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.

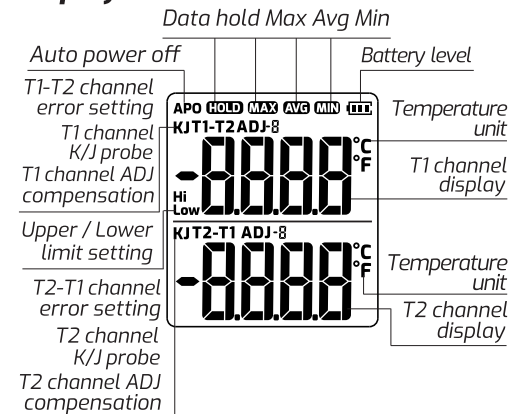
Product Feature

- 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;
- Hi, Low alarm limit setting function;
- With backlight and color backlight alarm function;
- Low battery indication function;
- With thermocouple temperature compensation to optimize the test accuracy.

Panel Instruction




Display





Specification


Model	THE-343
Type	Dual channel
Temperature difference	T1-T2/T2-T1
Main Unit Range	K-type: -200°C~+1372°C (-328°F~+2501°F)
	J-type: -200°C~+1372°C (-328°F~+2501°F)
Accuracy	±0.2% +0.7°C
Resolution	(-100°~-200°)1°C/°F;
	(-99°~999.9°)0.1°C/°F; (≥1000°)1°C/°F
Display	4 digits, max 9999
Upper limit alarm	Default value: 1300°C
Lower limit alarm	Default value: -200°C
ADJ compensation	-9°~+9°C
Sampling rate	1 time/s
Auto power off	10 mins (can be canceled manually)
Working environment	-10~50°C, max 80%RH, indoor altitude<2000m
Storage environment	-10~50°C, max 70%RH (battery removed)
Product size	152 x 55 x 33mm
Screen size	37 x 41mm
Weight	Approx. 125g (battery not included)
Power	3 x 1.5V AAA (R03/LR03)
K type thermocouple probe	Random configuration probe Measurement range: -20°C~200°C (accuracy: ±2.5%) (2pcs)


Button Function Description

 **Power button**
Press the button to turn on/off the meter



 **HOLD / °C & °F switch**
a. Press the button to freeze/release the displayed reading
b. Long press the button to switch the temperature unit °C/°F switch
c. In Hi/Low limit alarm setting mode, press the button to increase the value



 **Backlight/MAX/MIN/AVG**
a. Press the button to toggle between MAX, MIN, AVG and real time value mode
b. Long press the button to turn on/off the backlight function
c. In Hi/Low limit alarm setting mode, press the button to decrease the value

 **T1-T2/High Alarm**
a. Press the button to enter/exit upper limit alarm setting
b. Long press the button to display the different value of T1-T2 on the screen

 **T2-T1/Low Alarm**
a. Press the button to enter/exit lower limit alarm setting
b. Long press the button to display the different value of T2-T1 on the screen

Key Combination


 +  **K/J Switch**
Long press HOLD and MAX/MIN button simultaneously to switch K/J probe

 +  **ADJ Compensation**
Long press Hi and Low button simultaneously to enter/exit temperature compensation mode, press HOLD UNIT or MAX MIN button to adjust the ADJ value.

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Note:The custom High/Low alarm threshold will be saved even power-off or replace the batter



Measurement Method

- Press  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.

Warm notice:

When moving the meter from one environment to another, please wait for moments 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 10 minutes will it trigger the automatic power off mode;
- To disable Automatic Power Off: Before startup the device, long press HOLD  and POWER  button simultaneously for 3 seconds until APO OFF icon appears on the screen. The auto power off function will restore when restart the meter

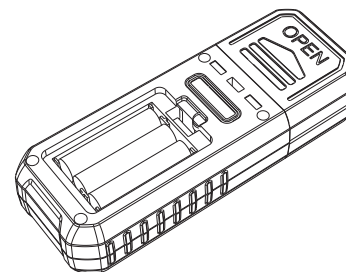
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- When the meter turns on the auto shutdown function, the display screen shows the APO symbol, APO symbol will disappear once canceled the auto shutdown function.

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 3.7V, the battery low voltage prompt.



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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.

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