

深圳英博伟业科技有限公司



型号	IKT-031	设计师	曾凯欣	编码	
零件名称	说明书	设计主管	YUI	单位/比例	±0.1mm
尺寸要求	100X100mm	审核	赵芊羽	未注准公差	MM/1:1
重量要求		日期	20231211	版本	V1.0

材质：70g书纸 骑马订

尺寸：100X100mm

颜色：单色印刷

CONFIDENTIAL

未经允许禁止改动

INKBIRD



IKT-031

Multifunctional Timer

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*Please keep this manual properly for reference.
You can also scan the QR code to visit our official
website for product usage videos.
For any usage issues, please feel free to contact
us at **support@inkbird.com**.*

Wenn Sie eine Bedienungsanleitung in deutscher Sprache benötigen, scannen Sie bitte den QR-Code und besuchen Sie unsere Website, um sie zu erhalten und ein Video über die Verwendung des Produkts zu sehen.

Se avete bisogno di un manuale di istruzioni in italiano, scansionate il codice QR e visitate il nostro sito web per ottenerlo e vedere un video su come utilizzare il prodotto.

Si vous avez besoin d'un mode d'emploi en français, veuillez scanner le code QR pour visiter notre site officiel afin d'obtenir et de visionner la vidéo d'utilisation du produit !

Als je een Nederlandstalige handleiding nodig hebt, scan dan de QR-code om naar onze officiële website te gaan en bekijk de video over het gebruik van het product!

Si necesita el manual de instrucciones en español, escanee el código QR para ir a nuestro sitio web oficial y ver el vídeo sobre cómo utilizar el producto.

01 Overview

INKBIRD IKT-031 is a multifunctional timer with a high-definition big screen and has two timing modes, counting up and counting down, with a timing range of 99 minutes and 59 seconds. It helps you manage time better and is suitable for the Pomodoro Technique. In addition, it can be a food thermometer to help you cook anytime, anywhere. You can use it anywhere: cooking and baking in the kitchen, fitness room, sports, games, classes, study, parent-child activities, and education.

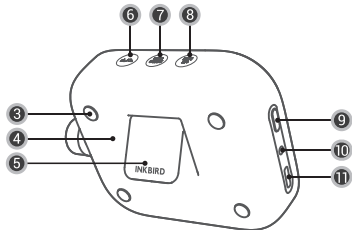
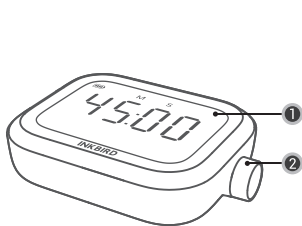
02 Technical Specifications

Brand	INKBIRD
Model	IKT-031
Functioning Mode	Timer & Meat Thermometer
Screen Type	High-Definition LCD Screen
Screen Size	68*50mm
Timing Range	99 minutes and 59 seconds
Probe Channel	1
Probe Sensor Type	NTC
Probe Measurement Accuracy	$\pm 1^{\circ}\text{C}/\pm 1.8^{\circ}\text{F}$
Probe Measurement Range	-30~300°C /-22~572°F(short-time measurement) -20~250°C/-4~482°F(continuous monitoring)

Power Source	500mAh rechargeable lithium battery
Temperature Refreshing Time	1 second
Sound Volume	V0 (mute), V1 (45-55dB), V2 (60-70dB), V3 (80-90dB)
Battery Life	100 hours
Product Size	99mm(L) x 73mm(W) x 25mm(H)
Product Weight	120g
Package Contents	Device*1 (IKT-031) Temperature Probe*1 Charging Cable*1 User Manual*1

03 Product Diagram

• Product Appearance



① HD LCD Screen

② Knob Button

③ Anti-slip Pads

④ Magnetic Back

⑤ Foldable Stand

⑥ Temperature Unit Switch Button


⑦ ⑧ Preset Time Button

⑨ Power Switch

⑩ Probe Port

⑪ Type-C Charging Port

• Screen Display Information

: Device battery level



Timer Mode

M & S : Time unit

Number: Time range up to 99 minutes and 59 seconds



Thermometer Mode

°C & °F :Temperature unit

Number:Temperature measurement range

Probe Temperature resolution:0.1°C&°F

Preset Menu: 6 types+custom

Meat Doneness:5 levels



Sound Volume Adjustment

V0: Mute

V1: Low (45-55dB)

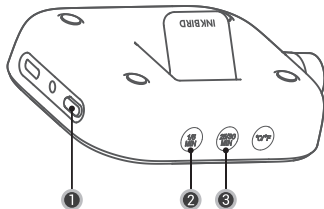
V2: Medium (60-70dB)

V3: High (80-90dB)

(The factory default is V2.)

Switch Working Mode: The device is set to timer mode by default. If you need to change to thermometer mode, please insert the probe included in the package into the probe port.

NOTE: Please charge the device before first use.



① Power Switch

Press and hold it for 3 seconds to turn on/off the device.

Press and hold it for 30 seconds to force reset the device and restore factory settings.

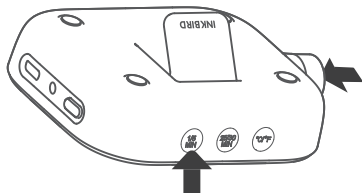
• Preset Time Button

② 1/5min

Shortly press it once to add 1 minute;
Press and hold it for 3 seconds to add 5 minutes.

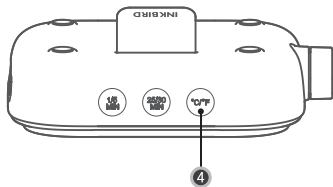
③ 25/30min

Shortly press it once to add 25 minutes;
Press and hold it for 3 seconds to add 30 minutes.



Cancel Preset




When you mistakenly operate the preset time button and need to cancel the wrong setting, simultaneously press and hold the preset button and knob button for 3 seconds to cancel.



④ Temperature Unit Switch Button

Press and hold it for 3 seconds to switch the temperature unit between $^{\circ}\text{C}$ and $^{\circ}\text{F}$. (The factory default is $^{\circ}\text{C}$.)

• Knob Button

 Timer Mode	Rotate it clockwise to increase time; Rotate it counterclockwise to reduce time.
	Shortly press it to confirm/pause/start timing.
	Press and hold it for 3 seconds to reset the timer; After resetting, press and hold it for 3 seconds again to enter the sound volume setting, and rotate to adjust the volume.
	When the timing is paused, double-press the knob button to resume the preset time and start timing again.
 Thermometer Mode	Rotate to select menu and doneness level.
	Shortly press to confirm the current selection/setting.
	Press and hold it for 3 seconds to cancel all selections.
 Alarm	When the device sounds an alarm, shortly press the knob button to stop the alarm.

NOTE:

When the device is not working and there is no operation within 1 minute, the device will automatically sleep to save power. Press any button or rotate the knob to wake it up.

• Count-up Timer:

Step1: Press and hold the knob button for 3 seconds to reset the timer, and 00:00 will appear on the screen and flash with the character M at the same time.

Step2: Press the knob button, and the character "S" will flash. Then, press the knob button again to start timing.

NOTE: When the maximum time range of 99 minutes and 59 seconds is reached, the device will sound an alarm to remind you. You can press the knob button to stop the alarm. If there is no operation within 1 minute, the device will stop alarming automatically.

• Countdown Timer:

Step1: Press and hold the knob button for 3 seconds to reset the timer, and 00:00 will appear on the screen and flash with the character M at the same time.

Step2: Rotate the knob to increase or decrease the minutes, then press the knob to confirm and enter the seconds setting. Set the seconds and press the knob to confirm and start timing.

You can use the preset time button to increase time. Refer to section 4 and operate it accordingly to add the corresponding time.

NOTE:

When the timer reaches **88:88** , it will sound an alarm to remind you. Press the knob button to stop the alarm. If there is no operation within 1 minute, the device will automatically stop and resume the preset time you set this time, and you can press the knob to continue the countdown.

• Start/Pause Timing:

Press the knob button to confirm the time setting and start timing. During timing, press the knob button to pause timing.

• Resume Timing:

When the timer is paused, double-press the knob button to resume the preset time you set this time and restart timing.

- **Adjust Sound Volume**(the factory default is V2):



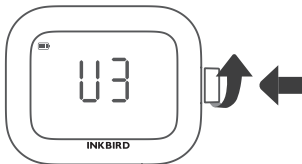
Step1:

Press and hold the knob button for 3 seconds to reset the timer, and the screen will display 00:00.



Step2:

Press and hold the knob button for 3 seconds again to enter the volume setting, and the screen will display "U2".



Step3:

Rotate the knob to adjust the volume and press the knob button to confirm.

- **Thermometer Mode**

- Insert the temperature probe included in the package into the probe port on the left side of the device, and the device will automatically change to thermometer mode.
- The screen displays the current real-time temperature. If you need to change the temperature unit, press and hold the °C/°F button for 3 seconds to change.



Temperature Unit Switch Button

Press and hold it for 3 seconds to switch the temperature unit between °C and °F. (The factory default is °C.)

- Rotate the knob to select a menu and confirm, and it will automatically enter the selection of doneness levels. Then you can start cooking after setting. (If you mistakenly operate it, press and hold the knob button for 3 seconds to cancel all settings.)

NOTE:

After cooking is complete, the device will remind you to enjoy your meal. If you need to turn off the alarm, shortly press the knob button or wait for 1 minute, the device will automatically stop alarming.



06 **Cleaning and Maintenance**

- 1) Please store or magnetically attach this device to a cool, dry place, away from direct sunlight, high temperatures, extreme cold environments below 0°C, or high-humidity environments, which may cause product and property damage.
- 2) When cleaning the probe, do not immerse it in water, not put it into a dishwasher, or use a corrosive detergent. Rinse it with running water and wipe dry before storage, and remember to keep it out of the reach of children to avoid being hurt by the sharp probe.
- 3) If you will not use this product for a long time, please keep the device battery at about 50% capacity to prevent the battery from entering a deep discharge state and causing failure to charge the product.
- 4) This product is not waterproof. If necessary, use a slightly damp cloth to clean it and prevent water from seeping to cause damage.



07 **Important Notes/Warnings**

- 1) This product can only be used as a timer and food thermometer. Any other purposes are not recommended.
- 2) Please do not disassemble or replace the internal battery by yourself.
- 3) Please do not use this product in a high-humidity environment like a bathroom or garden, and keep it away from direct sunlight, fire sources, and heat sources.
- 4) Please do not expose the probe directly to fire or burning charcoals or use it in an environment beyond the specified temperature range (-30~300°C/-22~572°F). Otherwise, the probe and probe wire will be damaged.

- 5) Please do not touch the overheated probe or probe wire with bare hands during or after cooking. If necessary, please wear gloves that are heat-resistant enough to avoid burns.



08 Troubleshooting Guide

Q(Questions)	A(Answers)
How do I set my desired temperature and save it?	<ul style="list-style-type: none">• Insert the probe into the probe port, and the device will change to thermometer mode.• Rotate the knob button to enter the custom menu and press it to confirm.• Rotate the knob button again to adjust to your desired temperature, then press it to confirm. The device will memorize this setting.• If you want to modify it, you can return to the custom menu and rotate the knob button to adjust and confirm.
Why is my probe reading temperature wrong or not reading?	<ul style="list-style-type: none">• Please check whether the probe and probe wire are intact.• Check the probe or device for water penetration. Try wiping it clean, blow drying the whole unit with a hair dryer, and see if it can read the temperature correctly.• Check whether the probe has ever been operated at a temperature outside its bearable temperature range. If necessary, purchase a replacement.

09 ***Reference Table for Minimum Internal Temperature of Food Safety
(USDA Database)***

Food	Type	Internal Temperature (°F)
Beef, bison, veal, goat, and lamb	Steaks, roasts, chops	145 Rest time: 3 minutes
	Ground meat and sausage	160
Casseroles	Meat and meatless	165
Chicken, turkey, and other poultry	All: whole bird, breasts, legs, thighs, wings, ground poultry, giblets, sausage, and stuffing inside poultry	165
Eggs	Raw eggs	Cook until yolk and white are firm
	Egg dishes (such as frittata, quiche)	160
	Casseroles (containing meat and poultry)	165
Ham	Raw ham	145 Rest time: 3 minutes
	Precooked ham (to reheat)	165 Note: Reheat cooked hams packaged in USDA-inspected plants to 140°F
Leftovers	Any type	165
Rabbit and venison	Wild or farm-raised	160
Pork	Steaks, roasts, chops	145 Rest time: 3 minutes
	Ground meat and sausage	160

Seafood	Fish (whole or filet), such as salmon, tuna, tilapia, pollock, bass, cod, catfish, trout, etc	145 or cook until flesh is no longer translucent and separates easily with a fork
	Shrimp, lobster, crab, and scallops	Cook until flesh is pearly or white, and opaque
	Clams, oysters, mussels	Cook until shells open during cooking

10 FCC Requirement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

11 Customer Service

This item carries a 1-year warranty against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of INKBIRD, be either repaired or replaced without charge. For any problems in use, please feel free to contact us at support@inkbird.com. We will do our best to help you.

INKBIRD TECH.C.L.

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