

Tida 体达





Three Modes



Body



Surface



Room



Nefir optical lens
Overall protection sensor



9V Acid zinc-manganese dry battery

Battery mode:6F22

LED Display

Menu

UP Button



99 Sets readings recall

°C/°F Switching

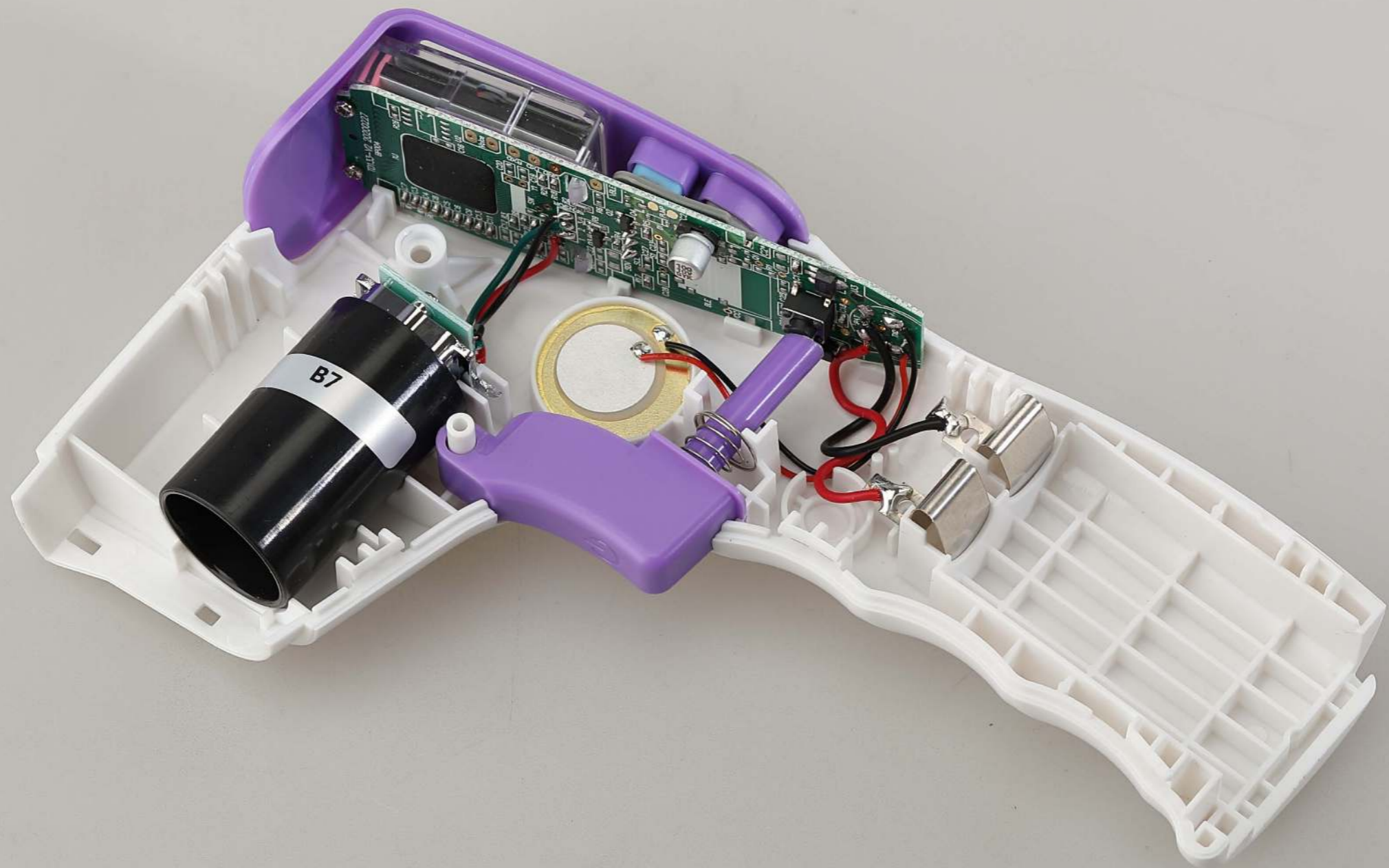
Down Button

Passive Infrared Probe

Power/Thermometry Button

Ergonomic Design Handle









Product Name	Infrared Thermometer
Model	Td133
Paking Size	165*105*40mm
Weight	170g(withou battery)
Measurement Method	Non contact
Measure Time	1S
Measuring Range	Body /Surface/Room
Measurement Accuracy	+/-0.2°C(33°C-37°C) +/-0.3°C(35°C-37°C)
Operation environment	16°C~40°C
Memory	99 Sets readings recall
Battery	9V6F22
Auto Shut-down	Automatic shutdown withou operation within 10 seconds

Infrared Thermometer User Manual

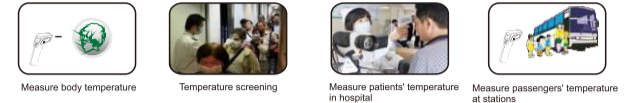


Before using this product please read this user manual carefully and keep for reference

Contents

- 1. Application of infrared thermometer.....2
- 2. Product description.....2
- 3. Matters needing attention.....2
- 4. Normal working conditions.....2
- 5. Maintenance.....2
- 6. Layout of keys (figure :1).....2
- 7. Appearance and structure (figure: 2).....3
- 8. Product functions.....3
- 9. User setting.....3
- 10. Parameters indication.....4
- 11. Storage and transport.....4
- 12. Description on safety classification.....4
- 13. List for annex.....5

1. Application of infrared thermometer



2. Product description

The product, which is a kind of infrared thermometer for professional, convenient and quick temperature measurement, is applicable to such occasions as hospitals, family, stations, hotels, schools and kindergartens. The product belongs to class II common diagnostic device (6820), management type: class II (medical device management and classification).

3. Matters needing attention

- 3.1 During the body temperature measurement process, the forehead shall be dry without sweat, and it shall not be sheltered by hair. The measurement will be more accurate when the air is relative still.
- 3.2 After doing severe sports, taking a shower or washing face, the measuring object shall take a rest in the environment where the air is relative still, and then measure the body temperature.
- 3.3 When the working environment of the product changes, the patient and thermometer shall stay in the environment where there is similar indoor conditions for 20 min at least, and then the product may be used. To get stable and reliable measuring data, when the room temperature has a great change, the product and the measuring object shall stay in the same environment for 30 min before use, for example, if the ambient temperature is below 15°C, then they shall wait for 2 h.
- 3.4 Please do not make the product exposed to sunshine or contact with water, so as to prevent it being affected with damp.

4. Normal working conditions

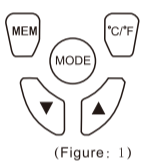
- 4.1 Ambient temperature 10~40°C;
- 4.2 Relative humidity ≤ 85%
- 4.3 Atmospheric pressure: 76~106 kPa;
- 4.4 Power voltage range: DC 9V;
- 4.5 Applicable battery model: 6F22

5. Maintenance

- 5.1 The induction window, which is the precision part of the product, shall be carefully protected.
- 5.2 When the lens of sensor window is blurry and stained, please use cotton swab dipped with alcohol to wipe it gently;
- 5.3 Please contact with our customer service department if you have any doubt, and do not repair it by yourself.

6. Layout of keys (figure :1)

MEM	Start/stop temperature records function, delete data, voice switch
°C/°F	Changeover between °C and °F
MODE	Set temperature detection mode
▲	Up
▼	Down



(Figure : 1)

7. Appearance and structure (figure: 2)



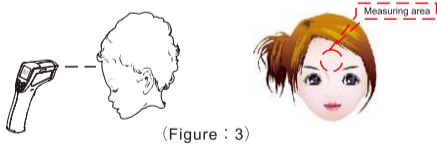
(Figure : 2)

8. Product functions

- 8.1 MODE key can be pressed for switch over among the following 4 working modes:
 - a) Body temperature mode;
 - b) Surface temperature mode;
 - c) Room temperature mode;
 - d) View temperature records, voice switch mode.

8.2 Measuring method:

- a) Single temperature measurement can be performed by pressing the sampling key for one time;
- b) Face toward the measuring object in measuring area with a spacing of 3cm, press the sampling key, and view the data after hearing the Beep sound, see (figure: 3).



(Figure : 3)

8.3 Icon display (figure: 4)

8.4 The icon indicating battery level , when is shown, then the battery power will be used up soon, and a new battery needs to be replaced.

8.5 Storage function, press MEM key to display/ hide the icon , corresponding to start/ stop of storage function. 99 groups of temperature records can be stored. Press MODE key to view the temperature records mode; the storage icon will flash, an then press ▲▼ to view the historical temperature records; 8.6 Function of deleting all temperature records: Under OFF status, perform long press of MEM key, and press the sampling key for one time simultaneously; after MEM key is pressed for 10 s, the buzzer will send Beep sound, and confirm that all temperature records have been deleted.

8.7 Under the mode of viewing temperature records, when the storage icon flashes, MEM key can be pressed for ON/ OFF of voice symbol. (Common edition has no this function).

9. User setting

9.1 Perform long press for MODE key for 8s under OFF status, the buzzer will send Beep sound for two times for prompting entry into setting mode. See (figure: 5) for screen display.



(figure: 5)

9.2 F0 option (body temperature alarm function); alarm temperature can be changed according to user's requirements: operate according to the following steps:

- a) User can press ▲▼ key to adjust the alarm temperature value:
 - ▲: increase, ▼: decrease.
- 9.3 Press MODE key again for F1 option; this value is corresponding to the alarm value of surface temperature. User also can press ▲▼ key to adjust the setting value.
- 9.4 Press MODE key again to return to the measuring interface; and temperature can be measured under the original temperature mode; i.e. use the infrared thermometer normally.
- 9.5 Warm tips for users:
The normal body temperature is not constant; the body temperature of different body parts is different at day and night, and the body temperature is also different between men and women, but there is a stable range. The temperature of the same part of the same person may have a tiny difference when it is measured in several minutes, and it is normal. In particular, the temperature regulation function of babies is still not perfect, and the temperature changes frequently, so it is recommended that body temperature of babies shall be measured for several times, and it shall be based on the maximum value. Perform well in medical protection if the baby's temperature is measured to be abnormal. Normal body temperature range: (classified based on age)

0-2 years old	36.4~38.0°C
3-10 years old	36.1~37.8°C
11-65 years old	35.9~37.5°C
Above 65 years old	35.8~37.4°C

10. Parameters indication

10.1 Power consumption parameters

- a) Current under working status: < 30 mA
- b) Current under standby status: < 5 μA

10.2 Performance parameters:

Resolution ratio	0.1°C (0.2°F)	Repeated measurement error	±0.2°C (0.4°F)
Measuring distance	1~3cm	Measuring time	No larger than 1 s
Power voltage	9V	Automatic OFF time	10s
Measuring range	No smaller than 35~42°C under body temperature mode		
Laboratory error (blackbody temperature)	33.0°C~37.0°C No larger than 0.2°C		
Service life	Five years		

11. Storage and transport

The product shall be stored in -20°C~50°C dustless environment with the relative humidity of ≤85%. It shall not be exposed to sunshine, humidity or rain, and prevent large weight on it.

12. Description on safety classification

- a) Classification based on electric shock protection: internal power supply equipment, type B applied part, common equipment.
- b) If the product is not used for a long time, the internal battery shall be taken out and placed in a cool and dry place.
- c) Scrapped battery shall be handled correctly and safely, and do not throw it into water or fire.

- 13. List for annex
 - a) One user manual
 - b) 1 conformity certificate
 - c) 1 9V battery

△ Warning:

The infrared thermometer shall not approach or stack with other equipment; if this circumstance is unavoidable, then observe and verify whether it can work normally under the configuration conditions. Except for the cable sold by the manufacturer as internal component, the use of other accessories and cable may cause increase of emission or reduction of immunity to interference of the infrared thermometer.

Please keep away from the following circumstances:



Caution: Use of this equipment cannot replace going to see a doctor. The equipment is not waterproof, and please do not immerse it into water.

Symbol Description

	Battery and electronic equipment shall be handled according to local applicable laws and regulations, and shall not be mixed into domestic waste, so as to prevent irreversible pollution.
	Caution: Incorrect use may result in personal injury and object damage.
	Internal power type B common equipment
	Before using this product, please read this user manual carefully.

GuangZhou Tida Electronic Technology Co.,Ltd.
Add:301, No.3 building, 201, No.3 building, No. 20, Changsha road, Dalong street, Panyu District, Guangzhou, China





Carton

Quantity	50 sets/carton
Net weight	5.1kg
FCL(withou battery) weight	7.7KG
Weight with battery	9.5KG
Carton size	545mm*440mm*190mm (0.045 cubic)

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CERTIFICATE

Certificate Number **UCN** : **802792330465**
Job : J29855
Date of Issue : 2020-03-25
Certificate valid up to : 2024-03-24

Brand Name : *Tida*
Type : *Infrared Thermometer*
Model N : *TD133, TD238, TD338*

Manufacturer : GUANGZHOU TIDA ELECTRONIC TECHNOLOGY CO.,LTD.
Address : 301, No.3 building, 201, No.3 building, No. 20, Changsha road, Dalong street,
Panyu District, Guangzhou China


Standard Used : EN 60601-1:2006+A1:2013+AC:2010, EN 60601-1-2:2015, EN 14971:2012

Conclusion :

*After inspection of the technical documentation issued by the customer, and in his request, we express our opinion that the product meets the technical requirement of the following directives and standards:
93/42/EEC Medical devices (MDD)*

This opinion is only valid for the directive, the equipment and configuration described, in conjunction with the test data detailed above and with compliance with all applicable legal requirement for the product .

The following manufacturer documents was inspected:

Presence of Declaration of conformity template	✓ OK
Presence of test report using standards as indicated in the declaration of conformity Test report reference : 80391031707A/2020	✓ OK
Presence of  symbol in the product label.	✓ OK
Presence of instruction manual	✓ OK
Use of valid Harmonized standard in the declaration of conformity	✓ OK
Presence of product description in the technical construction file	✓ OK

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Massimiliano Bertoldi
General Manager – CELAB
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Massimiliano Bertoldi
General Manager – CELAB


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Annex : Regulation for Voluntary Certification Activities

1. Release of certificate

These certificates are issued on a voluntary basis on request of manufacturer.

The certificate is released for product after inspection of the documentation relative to the technical construction file.

This Certificate is released only after that, in opinion of a CELAB approved technician, that the technical construction file (test reports, documentations, instruction manuals) demonstrate that the essential requirements indicated in the directives himself was covered.

Note: the technical requirements are related to the physical propriety of a product and his production process and not the legal requirements of directives.

When the opinion is positive, the certificate is released.

The inspection provided by CELAB is not relative to: The product; The production; The law requirements; The work performed or that will be performed by Notified Bodies.

The Inspection cover ONLY the following aspects (where applicable):

- Presence of declaration of conformity;
- Presence of test report as indicated in the certificate;
- Presence of CE symbol in the product label template;
- Presence of Instruction manual;
- Use of actual harmonized standards as for EU official Journal;
- Presence of production description in the technical construction file.

2. Validity of certificate

All certificate have 4 years of validity. After such time the certificate will not be any more valid.

3. Withdraw of certificate

The certificate are withdraw if there is a reasonable justification that the product do not comply with the requirement of a directive, or when this agreement was not addressed.

4. Responsibility of manufacturer

As many directives require use of a Notified Body, in such case is responsibility of producer or his representative in Europe to follow all applicable directives requirement and contact.

This regulation will always be consigned together with the certificate and is a part of them, use of the certificate without text of this regulation is not allowed or accepted.

Is responsibility to the manufacturer to comply with CE marking law prescriptions.

5. Responsibility of CELAB

CELAB take no responsibility on product tested except that, in case of advice from market, CELAB will investigate on such compliant and, if found acceptable, the certificate will be withdraw.

CELAB is not responsible for the product, the production, the importing, the distribution, the sales, the advertisement, the technical assistance, the consulting or as EU mandatories.

Certificate is the result of technical opinion, given as a private owned company. There is no any warranty that the product will comply with all requirements of directives or a law.

CELAB is not responsible for CE marking of the product indicated in the certificate.

6. Responsibility of user of certificate

Is responsibility of the user of the certificate to comply with all laws requirements. Only as a general reference, the user of certificate will need to get copy of test-report from his supplier and be responsible for technical construction file. User of the certificate take full legal responsibility on such use.

Such certificate are not legal requirements except when used between private company as a specific contract agreement between them.

User of certificate need to full comply with applicable requirements indicated in such directives. User of certificate are not allowed to induce the market on a different destination of use of the certificate different from what stated in this agreement. Use of certificate of conformity is restricted to expert in CE Marking field that can fully understand scope of this certificate and is not for general public.

This certificate cannot be publicized in a misuses or in a way that it can confuse general public. The user of the certificate will Always do not use the certificate for customs control or public authority requirement control.

7. Scope of the certificate.

The ONLY Scope of this kind of certificate is :

- Allow the manufacturer to demonstrate to a customer that a product was tested without need to give him test reports (if both accepted by manufacturer and by the customer);
- Allow a private customer to have an evidence that an independent 3th part have inspected the documentation on voluntary basis.

The certificate provide an added value for manufacturer in situation where the manufacturer don't want to provide to his customer the test reports (if not required by law).

Such certificate will need to be used only as demonstration that a sample of a product was really tested between companies that recognize this agreement.

Such certificate are not required by law (as they are voluntary certificate), and are intended to be used between private company for commercial issue. These certificate where not to be used to demonstrate conformity of the product to authority or for government control. The certificate are not an authorization by CELAB to put the CE marking on the product.

The Certificate is not a legal requirement for CE marking activities. Is the opinion of CELAB that manufacture can provide the CE marking in the product IF he comply with all prescription of the directives. The Certificate is not a declaration of conformity or an attestation of conformity. Note that some directive require use of Notified Body, the certificate of conformity and the certificate of compliance are NOT related to Notified Body work and are not related to law requirements.

The certificate is a Technical Opinion issued by CELAB to the manufacturer of the product where, after review of document issued by manufacturer, CELAB certify his opinion regarding the conformity between the product and the prescription of the standard and/or the technical requirement of the directive.

The certificate where not issued in the role or the task of Notified Body or accredited testing laboratory or accredited certification body. Warning : do not confuse this certificate with certificates issued by notified bodies. In case of doubt on using this certificate, do not use it and consult a consultant or expert or contact CELAB for request of information at celab@celab.com

8. Technical construction File storage

The technical construction file is normally not stored in CELAB archives, after review of CELAB the documents were not archived in the CELAB databases. Is responsibility of the manufacturer that the documents is available for law requirements. CELAB is not responsible for the storage of the technical construction file.

Note : that the technical construction files for activities related to CE marking will need to be available in Europe.

9. CE Marking General information's

All person/company/body involved on a CE marking product are responsible to perform all task indicate in the directive. Full text of directive can be found in European Union Web Site : http://ec.europa.eu/growth/index_en

We recommend to search in such web site full information about CE marking related directives.