

Quick Start Guide

TDM95E

Version: 1.0

1 Overview

This product is a non-contact electronic module that measures the temperature of the human body. It returns the body temperature of a person by measuring the heat radiation of the palm or wrist, placed in front of the device within a specified distance. The measured body temperature differs sometimes when a person arrives from the extreme ambient temperature. Thus it is recommended to wait for a while before measuring body temperature for an appropriate result.

2 Instructions

1. The temperature data is corrected by the blackbody before delivery and is compensated to the temperature data of the wrist temperature range (It is the temperature displayed on the digital tube).
2. Operating instructions:
 - a. When a person places his/her wrist or palm in front of the device within the specified distance the temperature measurement program is triggered and the output is displayed.
 - b. When the temperature measured is within the normal value range i.e. below 37.5°C , the green LED light turns on for a second and the buzzer beeps once.
 - c. When the temperature measured crosses 37.5°C , the red

LED light turns on for a longer time, and the buzzer also beeps thrice. If the next temperature measurement is triggered when the buzzer is already alarming, the current high-temperature alarm is interrupted.

- d. It supports four digital tubes to display the temperature value. If the digital tube has no new temperature trigger for 10 sec, then the digital tube displays the “---”.

Measuring Range: 32.0°C to 42.9°C

Measuring Accuracy: $\pm 0.3^{\circ}\text{C}$

Measuring Distance: 3cm-5cm.

3 Features



Data
Synchronization Measurement



Accurate
Measurement



LED
Display



Dual
Temperature
Mode



One second
Measurement

- **Non-contact measurement:**
3 ~ 5cm distance measurement

- **Fever warning:**
Low fever warning: red backlight + beep to remind
High fever warning: red backlight + beep to remind

4 Technical Parameters

1. Basic Parameters

Accuracy	0.1°C (0.1°F)
Storage temperature	-20°C to 55°C
Operating ambient temperature	15°C to 35°C (ideal temperature ≈ 25°C)
Relative humidity	10% ~ 85%
Atmospheric pressure	70kpa ~ 106kpa
Power	DC 5V
Dimensions	88×88×54.63 (mm)
Weight	174.79 ± 5g

2. Measuring Range

Human body model temperature measurement range	32.0°C to 42.9°C
Measuring distance range	3-5 cm
Automatic shut-down	About 15s

3. Measurement Accuracy

32°C to 35.9°C (93.2°F to 96.6°F)	±0.3°C (0.5°F)
36°C to 39°C (96.8°F to 102.2°F)	±0.3°C (0.5°F)
39°C to 43°C (102.2°F to 109.4°F)	±0.3°C (0.5°F)

4. Service Life

The service life of the product is 40,000 operation counts.

5. Storage and Transportation Environment

- 1) Store in a well-ventilated room without corrosive gases.
- 2) Prevent drop or harsh jerk, vibration, rain and snow splash during transportation.

5 Product Structure



6 LED Display



Temperature	LED Color	Signal Sound
32.0°C to 37.3°C	Green	1 Short Tone
37.4°C to 43°C	Red	Long tone + Red LED on for 15 sec

7 Precautions

1. Please do not put this product near any living things to avoid electric shock.
2. Please do not expose the product to sunlight or stove's flame, also avoid contact with water.
3. Please do not hit or drop the product. Please return the product if found damaged.
4. Sweating, clothing, or scarves on the palm or wrist can affect the accuracy of the measurement.
5. It is not recommended to take body temperature measurement when a person's ambient temperature

changes considerably.

6. If you have any queries about the product, please contact the distributor. You must not try to repair the product yourself, contact professionals for the same.
7. This product is not a medical device and is only used for body temperature screening.

8 Packing List

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Type-C USB cable	1

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