

Quick Start Guide

TDM95E

Version: 1.0

1. Overview

This device 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 measuring 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 a precise 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 shown on the digital display).
2. Operating instructions:
 - a. When a person places his/her wrist or palm in front of the device within the specified measuring 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 37.3°C , the green LED light turns on for a second and the buzzer beeps once.
 - c. When the measured temperature crosses 37.3°C , the red LED light glows for a longer time, and the buzzer also beeps thrice. While the buzzer is alarming and the next temperature measurement is triggered, the current high-temperature alarm is interrupted.

- d. The temperature value is displayed in four digit value. If the digital display has no new temperature trigger for 10 sec, then "---" is displayed.

Measuring Range : 32.0°C to 42.9°C
Measuring Accuracy : $\pm 0.3^{\circ}\text{C}$
Measuring Distance : 3cm-5cm.

3. Features



Data Sync



Accurate
Measurement



LED
Display



Dual
Temperature
Unit



Measured
within a sec

- **Non-contact Measurement:**
3cm to 5cm distance measurement

- **Temp. Warning:**
Low Temp. Warning : Red Backlight + Beep to remind
High Temp. 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 (Approx. 25°C)
Relative humidity	10% to 85%
Atmospheric pressure	70kpa to 106kpa
Power	DC 5V
Dimensions	88×88×54.63 (mm)
Weight	174.79 ± 5g

2. Measuring Range

Temperature Measurement Range	32.0°C to 42.9°C
Temperature Detection Range	3cm to 5 cm
Automatic Shut-Down	About 15 sec

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. Warranty Period

The product warranty period is 1 year from the date of purchase.

5. Storage and Transportation Environment

- 1) Store in a well-ventilated room without corrosive environment.
- 2) Prevent drop or harsh jerk, vibration, rain and snow splash during transportation.
- 3) Do not directly touch the temperature probe of the machine during transportation for avoiding any damage to the sensor.

5. Appearance



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. Operational Instructions

1. Enable the temperature measuring function in the Time & Attendance or Access Control device setting, and connect to the TDM95E via USB cable for initialization.
2. After the device is connected to the Time & Attendance or Access Control device, please measure the temperature twice to complete the initialization. Do not unplug the USB cable during the process, otherwise, you need to restart the Time & Attendance or Access Control device and repeat the above operation.
3. If the measured temperature does not display on the Time & Attendance or Access Control device, please re-plug the USB cable and restart the device and repeat the operation described in Step 2.

4. After the device is powered off, the second step needs to be repeated.
5. Long press the **Reset** button for 3 sec to switch the unit from Fahrenheit to Celsius or vice-versa. After switching, the temperature needs to be measured once before power off. If temperature measurement is not triggered after switching, the unit won't be saved.
6. Press the **Reset** button to switch to the required temperature measurement mode. The default is palm temperature measurement mode, **o** is object temperature measurement mode for non-living things, and **n** is indoor temperature mode.
7. The **Restore** button on the back of the device is a manual temperature measurement button, which is used by technicians for debugging. Please do not press it arbitrarily.

8. Precautions

1. Please do not put this device near any human body to avoid electric shock.
2. Please do not expose the device to sunlight or heat flame, also avoid contact with water.
3. Please do not hit or drop the device. Please return the device 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 ambient temperature changes considerably.
6. If you have any queries about the device, please contact the distributor. You must not try to repair the device yourself, contact professionals for the same.
7. This is not a medical device and data cannot be used for medical purposes. It is only used for body temperature screening.

9. What's in the Box

Item Name	Quantity
TDM95E Device	1
Quick Start Guide	1
Type-C USB cable	1

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