FDK NON CONTACT INFRARED THERMOMETER

Model No.
FT-F41

USER MANUAL

1. Product Listing

The box is including:

Non Contact Infrared Thermometer   1 PC
User Manual   1 PC

2. Product Overview

This Non Contact Infrared Thermometer measure temperature directly from the forehead without contact which can obtain more quick and accurate human body temperature.

3. Features

1. Precise non-contact measurements
2. Built-in laser pointer.
3. $°C$ or $°F$ convertible
4. Alarm function once temperature is too high. The default threshold alarm value is $37.8°C$ ($100.04°F$) for this device.
5. Automatically save data & automatically power off in 10 seconds if no operation .
6. Automatically selection of measuring range. Display resolution is $0.1°C$（$0.1°F$）。
7. 32 memories recall.

3. Outline Drawing

LCD display
Memory button
Mode (Body / Surface) button
Handle

IR sensor
Laser pointer
Back light / Laser button
Set ($°C/°F$) button
Scan button
Battery cover

4. The Definition of Symbols

Symbol	Meaning
8888	Measured result
	Forehead Measuring mode
SURFACE TEMP	Ambient measuring mode
$°C$	Celsius Scale
$°F$	Fahrenheit Scale
	Low Battery
M	Last memory
	Alarm beep signal

5. TAKING A MEASUREMENT

● Install battery
● For the first use or when inserting new batteries, wait 10 minutes for the warming-up of the apparatus.
● If the device is not used for long time and once you turn on it again the device will check the room temperature first and delay tuning on for 1~2 seconds.
● Aim towards the forehead as the picture shows, from a distance of 5~10cm, press the scan button and measured data will be immediately displayed on the LCD. Make sure there is no air perspiration, cosmetic or cap covered on forehead. When there is sweat on forehead you can measure behind the ear lobe making sure no hair , sweater or other things covered on ear.

● Memory recall: Press "M" button to consult measured result.

6. Battery Voltage Display & Replacement

Low battery: When the LCD display shows "Low" signals figure **6.1**, the batteries must be replaced for accurate readings.

Replace battery:
★ Remove the battery compartment cover by gently pushing down on arrow and sliding cover forward.
★ Place batteries with positive "+" and negative "–" terminals into compartment and make sure they matched the indicated terminals in the compartment.
★ Close the battery cover by gently sliding it into the compartment and pressing it into place.

LO –
WITH BATTERY SYMBOL INDICATE REPLACE BATTERY

Figure 6.1

275x140cm

7.PRECAUTION BEFORE USE

In order to obtain reliable and stable results, when changing the environment to a room with a significant temperature difference, it is recommended to leave the Non-contact infrared thermometer to this ambient temperature for 15~20 minutes before using.

● It may cause different measured results depending on various of skin condition, thickness and body position.

● Do not expose the thermometer directly to sunlight or put into water.

● Allow 1 minute interval between two measurements.

How to switch Fahrenheit to Celsius degree?
1.Turn on Thermometer.
2.Press and Hold the SET button for 1 second until you see 'F' icon blink in the upper right corner of the display screen. Continually press SET button to change 'F' to 'C' icon.

Repeat the process to change the thermometer back to its original Fahrenheit setting.

How to switch Voice On/Off?
1.Turn on Thermometer.
2.Press and Hold the SET button for 3 ~ 5 seconds until you see 'ON' or 'OFF' icon in the center of the display screen. Continually press the SET button can allow you to prompt to either 'ON' or 'OFF' mode.

How to switch languages?
1.Turn on Thermometer.
2.Press and Hold the SET button for 8 seconds until you see '01', '02'….'06' icon in the center of the display screen. Continually press the SET button, can allow you to prompt to '01' for English mode, '02' for Spanish mode.

How to delete all memories?
1.Turn on Thermometer.
2.Press the M button to memory mode first. Continually press and Hold the M button for about 5 seconds until you see '_ _ _' icon in the center of the display screen. It means all memories are all deleted.

8.Precaution for Measuring Temperature

Description	Meaning
Hi	Measured result is over 43.0℃ (Body measuring mode)
Lo	Measured result is below 34.0℃ (Body measuring mode)
Err	The ambient temperature is beyond the range for proper working temperature of 5.0℃ – 40.0℃

9. Product Specification

Model No.	FT-F41
Measuring Range	Body 34.0℃–43.0℃ (93.2℉–109.4℉) Surface 0℃–100.0℃ (32.0℉–212.0℉)
Accuracy	± 0.3℃/0.5℉ 34.0℃-34.9℃ (93.2℉-94.82℉) ± 0.2℃/0.4℃ 35.0℃-42.0℃ (95.0℉-107.6℉) ± 0.3℃/0.5℃ 42.1℃-43.0℃ (107.78℉-109.4℉)
Resolution	0.1°C/0.2°F
Operation Condition	10.0°C-40.0°C(50.0°F-104.0°F) Rh≤80%
Storage Condition	-25.0°C-55.0°C (-13.0°F-131.0°F) Rh≤95%
Battery	AA 2pcs
Size(body)	L145*W37*H98mm
Weight	180 g (including battery)
Measuring Distance	5-15CM

Range of body Temperature

Body temperature means internal temperature of body. Normal temperature means that of healthy person and has little change within short range. Temperature of a person measured at evening is normally 0.5℃ higher than early morning and also affected by environment, time and activeness. Below chart shows average of normal changes. Refer to it to find out the personal normal temperature range.

Normal temperature range by each part of body

Underarm	34.7-37.3℃	(94.5-99.1℉)
Oral	35.5-37.5℃	(95.9-99.5℉)
Rectal	36.6-38.0℃	(97.9-100.4℉)
Ear	35.8-38.0℃	(96.4-100.4℉)
Forehead	35.8-37.8℃	(96.4-100.0℉)

Normal temperature by age

0-2age	36.4-38.0℃	(97.5-100.4℉)
3-10age	36.1-37.8℃	(97.0-100.0℉)
11-65age	35.9-37.6℃	(96.6-99.7℉)
Above 65age	35.8-37.5℃	(96.4-99.5℉)

Limited warranty

This Infrared thermometer is guaranteed for 2 years from the purchasing date under normal use .The warranty does not cover the damage of improper use or the battery running out. If the unit does not function properly due to defective parts or assembly, we will repair it free of charge or replace with a new one.
FCC ID:2ADNQFTF41This 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.

Explanation of Symbols:

LOT Symbol for batch code

Symbol for "ENVIRONMENT PROTECTION-Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local Authority or retailer for recycling advice"

Symbol for "TYPE BF APPLIED PART"

Symbol for "Follow operating instructions"

IP22 Symbol for "the IP classification"

Symbol for "RF transmitters"