

Non-contact Infrared Thermometer
JXB-306

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THE MANUFACTURER RESERVES THE RIGHT TO ALTER
THE SPECIFICATIONS OF THE PRODUCT WITHOUT
PRIOR NOTIFICATION

V.01

How to use it?
Press the "MODE" and "C / F" buttons at the same time for 3 seconds.
The screen will then display: "F4"
Press "Mode" to increase 0.1°C (F), press "C / F" to reduce 0.1°C. Press "MEM" button to save the setting.

X. Battery Low Voltage Detection
If the battery voltage is not more than 2.7V, the Non-contact Infrared Thermometer Model JXB-306 will display the flashed symbol "■" to remind you to replace the battery.

XI. Changing The Battery
This JXB-306 is with 2 AAA alkaline batteries for 20,000 times use. When the LCD screen displays "■", the battery should be replaced. Open the lid and change the battery, taking great care with the correct positioning. A mistake with this could cause damage to the unit and compromise the guarantee of your Non-contact Infrared Thermometer. (as fig.2)

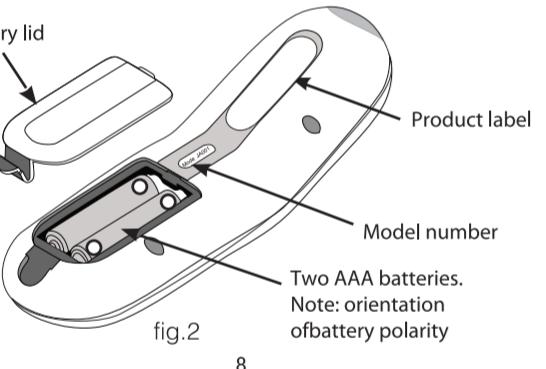


fig.2

XII. Technical Specifications
1. Normal using condition
Ambient temperature: 10°C ~ 40°C (50°F ~ 104°F)
Relative humidity: ≤ 85%
Pressure altitude: 700hPa to 1060hPa
2. Storage and shipping condition
Ambient temperature: -20°C ~ 55°C (-4°F ~ 131°F)
Relative humidity: ≤ 95%
Pressure altitude: 700hPa to 1060hPa

3. Batteries: DC 3V (2 pcs AAA batteries)
4. Unit size: 162x50x40mm~6.38x1.97x1.57in (LxWxH)
5. Unit weight: about 85g (without Battery)
6. Temperature display resolution: 0.1°C (0.1°F)

7. Measuring range:
In body mode: 32°C ~ 43°C (89.6°F ~ 109.4°F)
Under body mode, there is three color backlights: Green color backlight: ≤ 37.3°C (99.1°F), means normal temperature. Orange color backlight: 37.4°C ~ 37.9°C (99.3°F ~ 100.2°F), means low fever. Red color backlight: ≥ 38°C (100.4°F), means high fever.

In surface mode: 0°C ~ 60°C (32°F ~ 140°F)

8. Precision:
32.0°C ~ 34.9°C (89.6°F ~ 94.8°F) ± 0.3°C (± 0.6°F)
35.0°C ~ 42.0°C (95.0°F ~ 107.6°F) ± 0.2°C (± 0.4°F)
42.1°C ~ 43.0°C (107.8°F ~ 109.4°F) ± 0.3°C (± 0.6°F)

9. Consumption: ≤ 300mW

10. Accuracy: ± 0.3°C (± 0.6°F)

11. Measuring distance: 3cm ~ 5cm (1.2 in ~ 2.0in)

12. Automatic power-off: < 30 secs

13. Memory: 32 sets

14. Measuring site: Forehead

15. Reference body site: Axillary

16. Mode of operation: Adjusted mode

※ Note: The Non-contact Infrared Thermometer Model JXB-306 can take temperature readings below 32°C or

I. Features

- 1. Special design to take the Human Body Temperature with a 3cm ~ 5cm (1.2in ~ 2in) distance from forehead.
- 2. Reliable and stable measurement, thanks to the advantage Infrared Detection System.
- 3. Memorize the last 32 temperature measurements.
- 4. Three color Backlights LCD digital display screen.
- 5. Temperature unit can be displayed in either Celsius or Fahrenheit.
- 6. Automatic power-off (< 30 secs) to conserve energy.
- 7. Longevity use (100,000 readings)
- 8. Practical, easy to use.

II. Intended Use

The device is an infrared thermometer intended to measure forehead temperature of infants and adults without contacting human body. It can be used by consumers in household environment and doctor in clinic as reference.

III. Safety Precautions

- Follow the maintenance advice stipulated in this instruction manual.
- This device may be used for professional purposes or for personal home use.
- This device must only be used for the purposes described in this instruction manual.
- This device must only be used in an ambient temperature range of between 10°C (50°F) and 40°C (104°F).
- This device must be always kept in a clean, dry area.
- Do not expose this thermometer to electric shocks.
- Do not expose this thermometer to extreme temperature conditions of >55°C (131°F) or <-20°C (-4°F).
- Do not use this device in relative humidity higher than 85%.

- Do not touch the glass of the infrared sensor with your fingers.

- Clean the glass with a cotton bud lightly moistened with 95% alcohol.

- Do not expose the thermometer to sunlight or to water.

- Never drop the device.

- Should a problem occur with your device, please contact your retailer. Do not attempt to repair this device yourself.

- The device is not suitable for use in the presence of flammable anesthetic mixtures with air or with oxygen or nitrous oxide.

- The device requires no calibration.

- The device is not repairable and contains no user serviceable parts.

- Manufacturer will provide circuit diagrams, component part lists, descriptions, calibration instructions to assist to SERVICE PERSONNEL in parts repair.

- No modification of this equipment is allowed.

- Remove batteries if equipment is not likely to be used for some time.

- The user must check that the equipment functions safely and see that it is in proper working condition before being used.

- The manufacturer does not require such preventive inspections by other persons.

- Contact the manufacturer for assistance or reporting.

- Keep the equipment away from children and pets.

It is essential to use the Non-contact Infrared Thermometer Model JXB-306. You are therefore advised to read this instruction manual and the safety precautions carefully before use.

The Non-contact Infrared Thermometer Model JXB-306 is pre-set at the factory.

It is not necessary to calibrate the device when starting it up. However, in order to obtain reliable results, you are advised to allow the thermometer to acclimate to ambient temperature for 15 to 20 minutes before using each time there is a significant change in environmental temperature.

It is also important to allow a 3 ~ 5 seconds interval between measurements.

IV. How The Non-contact Infrared Thermometer Model JXB-306 Works

All objects, solid, liquid or gas, emit energy by radiation. The intensity of this energy depends on the temperature of the object. The JXB-306 infrared thermometer is therefore able to measure the temperature of a person by the energy the person emits. This measurement can be taken thanks to an external temperature probe on the device which permanently analyses and registers the ambient temperature. Therefore, as soon as the operator holds the thermometer near the body and activates the radiation sensor, the measurement is taken instantly by detection of the infrared heat generated by the arterial blood flow. Therefore body heat can be measured without any interference from the heat of the surrounding environment.

Use the Non-contact Infrared Thermometer Model JXB-306:

- When you have reason to believe you are sick.
- When you are recovering from surgery, illness or exhaustion.
- For monitoring body temperatures.
- When exercising, hiking, or doing strenuous physical activity.
- When traveling or when you are under abnormal stress.

V. Nominal Temperatures According To Age

Age

℃

F

T

97.5 ~ 100.4

97.0 ~ 100.0

96.6 ~ 99.7

96.4 ~ 99.5

95.8 ~ 97.5

95.4 ~ 96.4

95.0 ~ 95.8

94.6 ~ 95.0

94.2 ~ 94.6

93.8 ~ 94.2

93.4 ~ 93.8

93.0 ~ 93.4

92.6 ~ 93.0

92.2 ~ 92.6

91.8 ~ 92.2

91.4 ~ 91.8

91.0 ~ 91.4

90.6 ~ 91.0

90.2 ~ 90.6

89.8 ~ 90.2

89.4 ~ 89.8

89.0 ~ 89.4

88.6 ~ 89.0

88.2 ~ 88.6

87.8 ~ 88.2

87.4 ~ 87.8

87.0 ~ 87.4

86.6 ~ 87.0

86.2 ~ 86.6

85.8 ~ 86.2

85.4 ~ 85.8

85.0 ~ 85.4

84.6 ~ 85.0

84.2 ~ 84.6

83.8 ~ 84.2

83.4 ~ 83.8

83.0 ~ 83.4

82.6 ~ 83.0

82.2 ~ 82.6

81.8 ~ 82.2

81.4 ~ 81.8

81.0 ~ 81.4

80.6 ~ 81.0

80.2 ~ 80.6

79.8 ~ 80.2

79.4 ~ 79.8

79.0 ~ 79.4

78.6 ~ 79.0

78.2 ~ 78.6

77.8 ~ 78.2

77.4 ~ 77.8

77.0 ~ 77.4

76.6 ~ 77.0

76.2 ~ 76.6

75.8 ~ 76.2

75.4 ~ 75.8

75.0 ~ 75.4

74.6 ~ 75.0

74.2 ~ 74.6

73.8 ~ 74.2

73.4 ~ 73.8

73.0 ~ 73.4

72.6 ~ 73.0

72.2 ~ 72.6

71.8 ~ 72.2

71.4 ~ 71.8

71.0 ~ 71.4

70.6 ~ 71.0

70.2 ~ 70.6

69.8 ~ 70.2