SH-01T

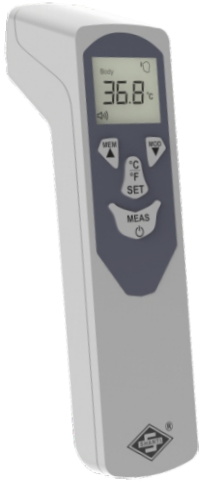## Intelligent IR Thermometer
Operating Instructions

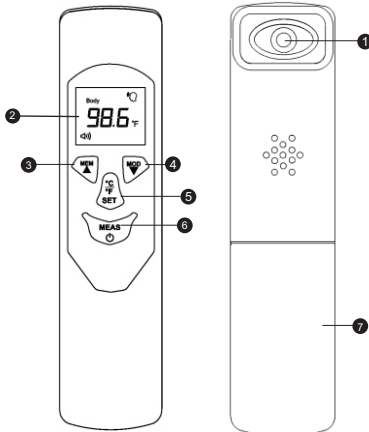The specifications may be changed without prior notice.

1.0 Introduction

Please read this instruction manual first so that you can use this thermometer safely and correctly.
This Intelligent device uses infrared (IR) sensor to measure the temperature.
Thermometer measures body temperature by measuring the thermal radiation emitted from the body without making contact with body.

2.0 Intended Use

SHANTI SH-01T Thermometer is intended for the periodic measurement and monitoring of human body temperature from the forehead. The device is intended for use of all age groups.

3.0 Appearance and Key Functions

1. **Lens / Sensor:** Body temperature measured through this sensor
2. **LCD Display** screen for measurement and easy human interface
3. **MEM / UP key**
   a. Used to recall temperature values stored in memory
   b. UP key in setting mode.
4. **MODE / Down key**
   a. Toggles mode between Body temperature and Object temperature.
   b. Down key in setting mode
5. **°C / °F /SET key**
   a. Click the button to switch between °C and °F units.
   b. Long press (about 2s)the key to enter into setting mode.
6. **MEAS and ON / OFF key**
   a. Turn ON or OFF the meter
   b. Press this key to measure the temperature of body or objects.
7. **Battery cover**
Open the battery cover to replace the batteries (2x 1.5V AAA size).

LCD Display:

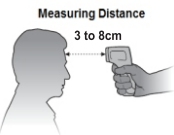Green Backlight Normal | Red Backlight Fever | Orange Backlight On higher side

4.0 Basic operation

4.1 First power on (Connect the batteries): The buzzer sounds for a few seconds then LCD display will display all segments for 2 seconds. The back light will also glow in red and green color one by one for a second. Then meter will enter in sleep mode. The display and back light will be turned off.

4.2 Turn on: Push the Power Button (6) in, buzzer will sounds beep for two time. All segments of LCD display will be displayed for 1 second at the same time. Then meter will go into the sleep mode.

The display content under the boot-up state includes
Measuring Mode: Body Temperature Mode (S2+S4) or Object Temperature Mode (S1+S3)
Temperature Unit : ℃/℉
Battery: BAT symbol
Buzzer : Voice(S5) or Mute(S5+S6)
Current Measurement Data:
Body Temperature Mode Measuring Memory Data（1-32）：(MEM+D1+D2)

4.3 Measurement: Point the thermometer from 3 to 8 cm to the forehead or object of which temperature is to be measured and then press MEAS key, The buzzer beeps and the back light is on after about 1 second. LCD display will show the temperature measurement result and memorize the current measurement data.

Measuring Distance
3 to 8cm

4.4 Turn off: If there is no operation for one minute, the thermometer automatically enters in to the power-off state. The standby current at this time is about 5uA.

5.0 Settings

Boot-up State
Short press "Set" to switch between ℃ and ℉
Press and hold the "SET" button for 2 seconds to enter the setting mode. Under the setting state, press the "Set" button to set in turn: F1-Buzzer function,F2-Body temperature alarm temperature,F3-Object temperature alarm temperature/Exit setting state.

5.1 F1:Buzzer ON/OFF: Press the "MEM ▲" button to turn on the buzzer function and flash "S5"; press the "MOD /-" button to turn off the buzzer function and flash "S5 + S6".

5.2 F2: Set alarm body temperature
D1+D2 displays F2. Display D3 ~ D5 displays the current alarm temperature value. Flashing displays S2 + S4.

Set Alarm Temperature: The default alarm temperature is 38.0°C (100.4°F) when the meter is powered on.
Range: 38.0 °C- 42.9 °C (100.4 °F - 109.2°F)

Short press the "MEM /▲" button to increase the alarm temperature by 0.1, long press to continuously increase the alarm temperature.
Short press the "MOD/▼" button to lower the alarm temperature by 0.1, and long press to reduce the alarm temperature continuously.
When measuring, the data reaches or exceeds the set alarm temperature point, the buzzer will alarm urgently "Beep " for 5 times.

5.3 F3 : Set alarm object temperature
D1+D2 displays F3. Display Digital3 ~ D5 according to the current alarm temperature setting. Flashing display S1 + S3.

Set Alarm Temperature: The default alarm temperature is 40.0 ℃ (100.4℉) when the machine is powered on.
Range:0.0°C-100.0 °C (32.0°F-212°F)

Short press the "MEM /▲" button to increase the alarm temperature by 0.1, long press to continuously increase the alarm temperature.
Short press the "MOD/▼ " button to lower the alarm temperature by 0.1, and long press to reduce the alarm temperature continuously.
When measuring, the data reaches or exceeds the set alarm temperature point, the buzzer will alarm urgently "Beep " for 5 times.

6.0 Memory

Short press MEM /▲(3) key and to enter the memory store function display:
This mode stores the 32 temperature measurements.
On LCD display right bottom corner sub display indicates memory count i.e. (MEM+D1+D2) e.g. MEM 01 ... MEM 32
Main displays shows the recently stored 32 temperature readings.
Press the "▲" key to go back one record until MEM32.
Press the "▼" button to move forward one record until MEM1.
To exit the memory mode press and hold the MEM/▲ key for 3 seconds, or press the MEAS key.

7.0 Specifications

Displayed Temperature range: 32.0°F to 212.0°F (0°C to 100°C)
Display Resolution: For °F >199.9 its 1°F other wise 0.1°F/°C
Temperature unit: °F or °C
Measuring Distance: 3 to 8 cm
Measurement time: <1s

Accuracy:
Body temperature range: 32 °C to 42.9 °C (89.9 °F to 109.2°F)
35°C to 42°C: ±0.2°C
32°C to 34.9°C: ±0.3°C
42.1°C to 42.9°C: ±0.2°C
Object temperature range: 0°C to 100°C (32 °F to 212.0°F): ±1.5°C
Operating ambient temperature range: 10°C to 40°C

Memory capacity: 32 measurements
Dimension 153 (L) x 40 (W) x 45 (H) mm,
Weight: 100 gm approx with batteries,
150 gm approx with batteries and pouch case,
Power Source: 2 x 1.5V AAA alkaline batteries

8.0 Scope of supply

1. IR thermometer SH-01T - 1pc
2. Operating Instruction manual- 1pc
3. Pouch case.
4. Batteries AAA - 2pc

⚠ WARNINGS ⚠

• Read all instructions before using product.
• Conducting self-diagnosis based on measurement results and or treatment can be dangerous. Please follow the instructions of doctor.
• High prolonged fever needs medical attention, especially for small children. Please Consult your doctor.
• Remove the batteries when thermometer is not in use other wise batteries may leak which can damage the instrument
• If lens is dirty clean it with dry cloth or cotton.

🗑 Do not dispose the batteries in house hold waste