

**Product features**

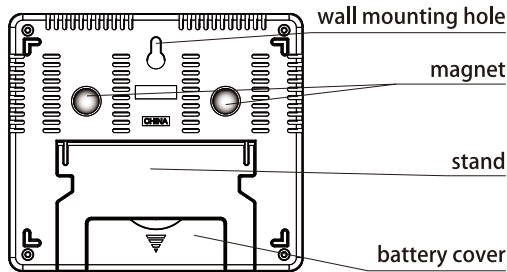
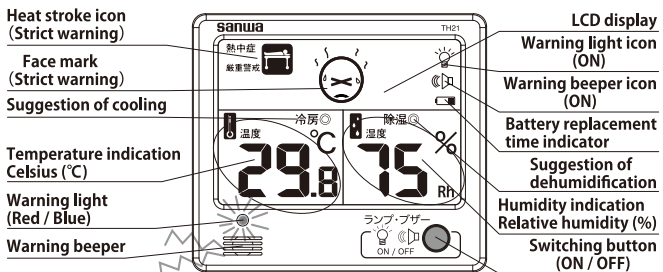
1. As guidelines of heat stroke prevention in summer and the seasonal influenza prevention in winter.
2. The icon, sound, and/or light will let you know the room condition.
3. The light and sound can be configured ON / OFF by the switching button.
4. Suggestions of cooling, heating, humidification, and dehumidification will be indicated.
5. It is possible to install on a tabletop, wall, or metal surface. (a piece of magnet on the back)

**Product specification**

Warranty: 1 year

	Temperature	Humidity
Sensor	Thermistor	Polymer resistor
Measuring range	-10.0 to 50.0 °C	20 to 90 %
Display resolution	0.1 °C	1 %RH
Accuracy	± 1.0 °C (-10.0 to 40.0 °C) ± 1.5 °C (40.1 to 50.0 °C)	(at room temperature): ± 5%(35 to 85 %) ± 10%(20 to 34 %, 86 to 90 %)
Measurable range of temperature and humidity	-9.9 to 50.0 °C	20 to 90 %RH (No condensation or freezing)
Measurement interval	Approximately 10 seconds	
Power source • Battery life	One AA, R6P or LR6 • Approximately 1 year (when using alkaline battery) (Warning light: up to 30 minutes / day, Warning beeper: up to 10 minutes / day)	
Dimension • Mass	H/100 × W/114 × D/20mm • 135g (including a battery)	
Standard accessories	One AA battery (for operation check)	

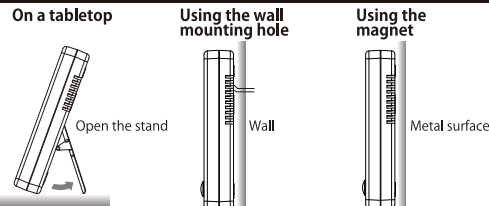
**Part names and functions**



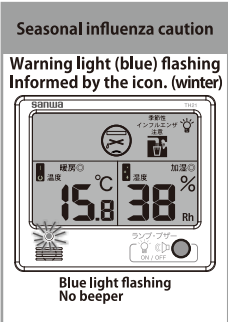
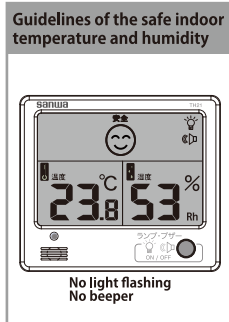
**How to use**

1. \* After installation including a battery, the correct value will be shown in about an hour. This is the time the sensor is adapted to the indoor environment, and to work properly. (At the initial setting only.)  
\* The instrument measures every 10 seconds.
2. Control the room temperature and humidity to be comfortable. The comfortable temperature and humidity depend on the person. Please use the instrument as a guide only.
3. Flashing of the battery replacement time indicator shows the time to replace the battery. When this mark is not flashing, the battery is working properly.\* Since the pre-installed battery is for operation check, the life is less than 1 year.

**Installation**



**The face marks and icons will be displayed variously**



**Warning beeper**

※The warning beeper beeps for 1 minute, then stops for 10 minutes. Then it beeps for 1 minute, and stops for 10 minutes. After that, it beeps for 1 minute, and stops unless the warning level changes. Only the warning beeper icon continues flashing. However, if the temperature and humidity are improved to a safe level during the above operation, the beeper stops and the beeper icon stops flashing and turns ON.

※Pressing the switching button makes the beeper off even during operation.

※When the beeper sounds, the warning beeper icon changes to flashing from the lighting.

※Unless the warning level changes, the warning beeper icon continues flashing.

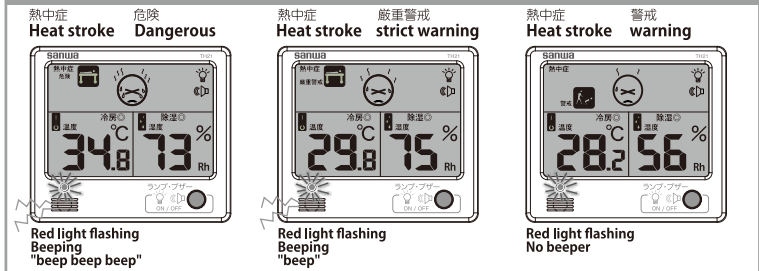
**Indication 冷房 ●・暖房 ●・除湿 ●・加湿 ●**

Please use these indications as a guide to use the heating equipment, cooling equipment, dehumidification equipment, and humidification equipment in the room.

“冷房 ● (Cooling)” shows the temperature is 28 °C or higher.  
“暖房 ● (Heating)” shows the temperature is lower than 20 °C.  
“除湿 ● (Dehumidification)” shows the humidity is 70 % or higher.  
“加湿 ● (Humidification)” shows the humidity is lower than 50 %.

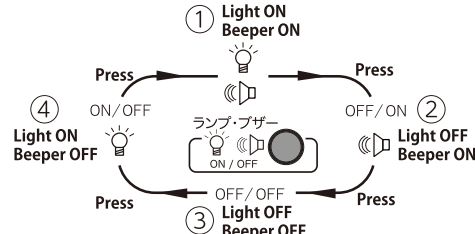
(However, “Humidification ●” will not be indicated when the temperature is 28 °C or higher even if the humidity is lower than 50 %. When the temperature is 28 °C or higher, humidification has a risk.)

**Heat stroke warning(summer) will be informed by beeper and light**



**Switching (ON/OFF) of the warning light and warning beeper**

The warning light and warning beeper can be configured ON / OFF by the switching button.



※The status right after the battery installation is ①.

**What is the heat stroke index (WBGT) ?**

Heat stroke will develop indoor in daily life not only outdoor and sports activities. The risk increases as the degree of high temperature and humidity increases. The risk level is represented by heat stroke (WBGT) index. As a heat stroke prevention, “Guidelines of heat stroke prevention in daily life” has been shown by the Japanese students Meteorological Society. In this guide, the WBGT (Wet-Bulb Globe Temperature) is used as a “reference temperature”, and the risk level is divided into four levels of “Risk”, “Strict warning”, “Warning” or “Caution” by the temperature level. We have calculated out the heat stroke (WBGT) index in a simple way from the relationship of temperature and humidity based on the above.

While still referred to this index, from the relationship of temperature and humidity in the room, it was classified into three levels, “Risk”, “Strict warning” and “Warning” in our own way. Based on this classification, we SANWA ELECTRIC INSTRUMENT developed the digital temperature and humidity meter with warning feature which is easy to use by giving a guide to know the safe environment of the room by warning with icon, sound, and light.

Warning level	Guideline of the life activities to be aware of	Instructions
危険 "Risk"		For the elderly, the risk of onset is high even in the resting state. Stay in the cool room to avoid going out as much as possible.
厳重警戒 "Strict warning"	Risk that may occur in the daily activity of all	Avoid hot weather when going out. In the room, pay attention to increase of the room temperature.
警戒 "Warning"	Risk that may occur in the daily activity of moderate or more	When making a strenuous work or exercise, rest well on a regular basis.

◎“To safety use your digital temperature and humidity meter with warning function provided by SANWA ELECTRIC INSTRUMENT”  
The instrument is not a product which can completely prevent the onset of heat stroke. Onset of heat stroke will be affected by a variety of factors such as temperature, humidity, and radiant heat of the surrounding environment, and age, gender, health condition of the person, and activities (exercise and working conditions) at that time. Before use, understand these factors. Then please use the instrument as a guide only.