

**Thank you for purchasing a Sanwa Electric Instrument product.
Please read this 'Instruction Manual' before using the product.**

When the product is removed from its package, it will display correct values after about one hour. (It requires this period of time for the sensors to become acclimatized to the environment of the room and be able to sense correctly.)

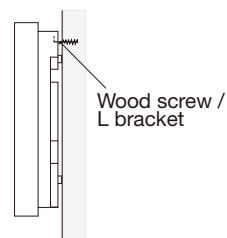
◆ Do not install the device in any of the following locations, as this may result in product failure or damage.

- Locations where the temperature may reach +50°C (e.g., in direct sunlight, or in the proximity of a gas stove or other naked flame.)
- In the direct path of air from an air-conditioning unit.
- Bathrooms or other locations with very high humidity.
- Locations with large quantities of airborne dust or oil particles.
- Locations subject to vibration and/or shock.
- Outdoors

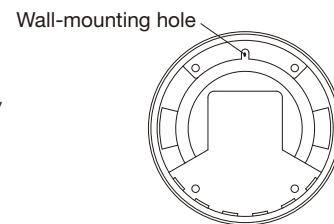
◆ Install the device securely, otherwise there is a danger that it may fall.

- When installing, attach the wood screws or L brackets securely to a pillar or other solid location. Mount the device using the wall-mounting holes at the back. If the brackets are not properly screwed in, or the device not properly mounted, there is a danger that it may fall. Also, please do not use adhesive or adhesive mounting parts, as these may come away. When mounting the device, move it up and down and from left to right, in order to check that it is securely mounted.

Wall mounting diagram



Back face



■ Specifications

Measurement method: Bimetallic system
Materials: Case: Styrene resin
Transparent lens: Glass
External dimensions: $\Phi 155 \times 37$ mm (outer outline x thickness)
Weight: 187 g

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Thermometer °C

Temperature is a representation of the degree of hot or cold. In order to measure temperature numerically, we use a thermometer. A thermometer uses elements whose length, volume, colour, thermo-electric power, or electrical resistance, etc., may change according to the temperature. This thermometer employs a bimetallic system, where the temperature is indicated by a needle which moves according to changes in length.

Hygrometer %

Humidity is a representation of the degree of moisture in the air. There is both relative humidity and absolute humidity but, generally, when we speak of humidity, we are talking about relative humidity. Relative humidity expresses as a percentage (%) of the maximum amount of moisture that a body of air can contain at a given temperature. The hygrometer in this device utilizes our unique technology to show relative humidity at a glance. The moisture sensor is extremely delicate and should be protected not only from shock, but also from direct contact with steam or breath.

Characteristics of room temperature and humidity

Even in the same room, temperature and humidity readings can be different, according to the height and position of the measuring device. Why is that?

The answer is that air moves around the room in a mass.

This means that it's very difficult to create the same environmental conditions throughout a single room space, and to have a uniform reading throughout the room. We can achieve close to a uniform temperature and humidity by stirring up the air mass and circulating it.

So, how do you get close to an even temperature and humidity throughout a room?

One effective way is to use a fan or air circulator to keep the air moving. Especially during seasons when air conditioners are used for cooling or heating, an almost even temperature and humidity can be maintained throughout the room by circulating the air.

(*Note: The temperature and humidity settings of air-conditioners are not always the same in all rooms.)

Features of this product

The product's measuring parts (sensors) are housed within the device. Therefore, the device is able to measure the surrounding environmental conditions. The ambient temperature and humidity can be affected by the height and position of its location, the wall on which it is mounted, etc.

In order to get the most accurate measurement, the device should be placed as close as possible to the environment that is to be measured, and positioned so that the readings can be seen from right in front of the device.

We hope that you will be able to make constant use of this product in creating a pleasant environment by being always able to check current temperature and humidity.

*This product is delivered to the customer with the most stringent quality control. However, should you encounter any defect in this product, please contact your retailer, or Sanwa Electric Instrument.