

# Product Manual

## 1. Product Name

HTC-1 / HTC-1 Upgrade / HTC-2 Digital Thermo-Hygrometer with External Probe

## 2. Product Description

The HTC Series Digital Thermo-Hygrometer is designed for indoor and remote temperature and humidity monitoring. It features a large LCD display and supports real-time measurement of ambient temperature and relative humidity. Selected models include an external probe for extended measurement in enclosed or liquid environments. The device is suitable for household, agricultural, laboratory, and light industrial applications.

## 3. Specifications

Power supply: 1 × 1.5 V AAA battery

Rated voltage: 1.5 V DC

Power consumption: [To be filled by seller]

Display type: LCD digital display

Material: ABS housing

Installation method: Desktop stand or wall-mounted

Operating temperature range: -50°C to +70°C

Humidity measurement range: 10% RH to 99% RH

Probe cable length: 1 meter (applicable to probe versions)

Model distinctions

HTC-1

Sensor type: Built-in temperature and humidity sensor

External probe: Not included

Dimensions: 101 × 92 × 20 mm

HTC-1 Upgrade Version

Sensor type: External non-waterproof probe

Probe function: Measures temperature and humidity

Dimensions: 106 × 98 × 23 mm

HTC-2

Sensor type: Built-in temperature and humidity sensor plus external waterproof

probe

Probe function: Waterproof probe measures temperature only (suitable for water measurement)

Display mode: Indoor temperature and humidity plus probe temperature

Dimensions: 106 × 98 × 23 mm

Additional functions

Time format: 12-hour or 24-hour selectable

Clock features: Alarm, hourly chime, calendar display

Memory function: Maximum and minimum temperature and humidity recording

Measurement accuracy: [To be filled by seller]

Resolution: [To be filled by seller]

## 4. Instructions for Use

Preparation

Open the battery compartment and insert one AAA battery with correct polarity.

Ensure the battery cover is securely closed. Place the unit on a stable surface or mount it on a wall. For models with external probe, position the probe in the target measurement area.

Operation

The device will automatically start measuring temperature and humidity after power is supplied. Use the rear buttons to adjust time format, alarm, and calendar settings according to user preference. For HTC-2, the display alternates or simultaneously shows indoor measurements and probe temperature depending on model configuration.

Data Reading

Read the temperature value in degrees Celsius from the main display area. Relative humidity is shown as percentage RH. Use the memory function button to review recorded maximum and minimum values.

## 5. Precautions

Use only one 1.5 V AAA battery of appropriate quality. Do not mix old and new batteries. Remove the battery if the device will not be used for an extended period.

Do not expose the main unit to rain or high humidity environments. The standard HTC-1 and HTC-1 Upgrade probes are not waterproof. Only the HTC-2 probe is waterproof and intended for water temperature measurement.

Do not place the device near strong electromagnetic fields, heat sources, or direct sunlight.

Operating environment should remain within the specified measurement range to ensure accuracy and prevent damage.

## 6. Storage and Maintenance

Clean the housing with a soft, dry cloth. Do not use solvents or abrasive cleaners.

Store the product in a dry and ventilated area. Avoid mechanical shock or heavy pressure.

Regularly check battery condition to prevent leakage.

## 7. Warning Information (EU Market Reference)

### WARNING!

Improper battery installation may cause leakage or explosion. Insert battery according to polarity markings.

Do not short-circuit, disassemble, or dispose of batteries in fire.

The waterproof probe of HTC-2 is intended for temperature measurement only. Ensure that the main unit remains dry at all times.

Keep out of reach of children.

Proper disposal: Follow local regulations and WEEE Directive 2012/19/EU for electronic waste disposal.

Note: The above warning information is for reference only. Final warning language must comply with the official language requirements of the destination EU country.

## 8. Compliance Disclaimer

This document is provided for product instruction purposes only.

It does not constitute legal advice.

The seller is responsible for ensuring compliance with applicable EU directives, including EMC, RoHS, and WEEE requirements where applicable.

