

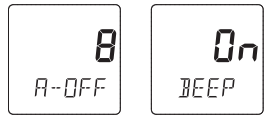


# HI95654

## Portable Waterproof Thermo Hygrometer



- Press the SET/HOLD button to navigate through the auto-off choices: 8 minutes ("8", default value), 60 minutes ("60") or disabled ("----"). Press  $\mathcal{O}$ /MODE to confirm and to enter the "BEEP" selection.



- To switch the beep tone ON or OFF, press the SET/HOLD button. Press the  $\mathcal{O}$ /MODE button to confirm and exit setup mode.

### Freezing Measurement Values

When in measurement mode, press and hold the SET/HOLD button until "HOLD" tag appears. The "HOLD" tag will start blinking. When in HOLD mode, to display the minimum, maximum or current measurement values, short press the SET/HOLD button.

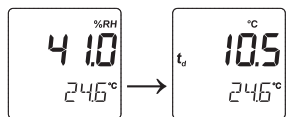


To switch between RH and dewpoint measurements, short press  $\mathcal{O}$ /MODE button.

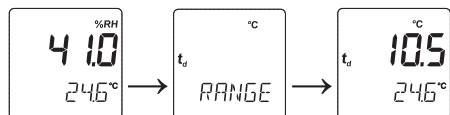
Long press the SET/HOLD button, until "HOLD" tag disappears, to resume active measurement.

### Selecting Measurement Range

When in measurement mode, short press the  $\mathcal{O}$ /MODE button to switch between RH or dewpoint measurement.

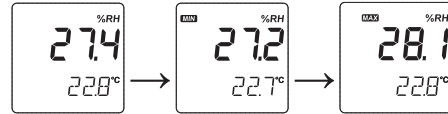


A long press of the  $\mathcal{O}$ /MODE button will display "RANGE" and the measurement unit (e.g. % RH and t<sub>d</sub> with °C).



### Minimum, Maximum Values

To switch between minimum, maximum or current measured values, short press the SET/HOLD button.



To reset minimum or maximum values, turn the meter OFF and then back ON.

### Battery Replacement

When the remaining battery life is less than 10% the battery tag is displayed blinking.



When the batteries are depleted the display shows "bAtt" "DEAD" for a few seconds then the meter powers off. Batteries need to be replaced.

To replace the batteries, follow the next steps:

1. Remove the protective boot and turn OFF the meter.
2. Remove the three screws on the back of the meter to open the battery compartment (figure 1).
3. Remove the old batteries.
4. Insert three new 1.5V AAA batteries in the battery compartment while paying attention to the correct polarity (figure 2).
5. Close the battery compartment using the three screws.

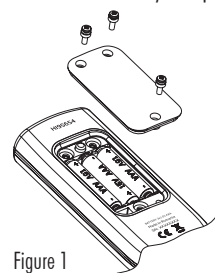


Figure 1

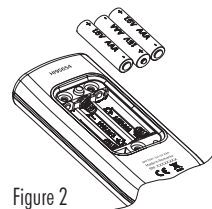


Figure 2

### Accessories

HI706023	RH and temperature probe with DIN connector and 1 m (3.3') cable
HI710142	Black carrying case
HI710029	Blue silicone rubber boot

### Certification

All Hanna Instruments conform to the CE European Directives.



**Disposal of Electrical & Electronic Equipment.** The product should not be treated as household waste. Instead hand it over to the appropriate collection point for the recycling of electrical and electronic equipment which will conserve natural resources.

**Disposal of waste batteries.** This product contains batteries, do not dispose of them with other household waste. Hand them over to the appropriate collection point for recycling.

Ensuring proper product and battery disposal prevents potential negative consequences for the environment and human health. For more information, contact your city, your local household waste disposal service, the place of purchase or go to [www.hannainst.com](http://www.hannainst.com).

### Recommendations for Users

Before using this product make sure it is entirely suitable for your specific application and for the environment in which it is used. Any variation introduced by the user to the supplied equipment may degrade the meter's performance. For your and the meter's safety do not use or store it in hazardous environments.

### Warranty

HI95654 is warranted for a period of two years against defects in workmanship and materials when used for its intended purpose and maintained according to instructions. Electrodes and probes are warranted for a period of six months. This warranty is limited to repair or replacement free of charge. Damage due to accidents, misuse, tampering or lack of prescribed maintenance is not covered. If service is required, contact your local Hanna Instruments Office. If under warranty, report the model number, date of purchase, serial number and the nature of the problem. If the repair is not covered by the warranty, you will be notified of the charges incurred. If the meter is to be returned to Hanna Instruments, first obtain a Returned Goods Authorization (RGA) number from the Technical Service department and then send it with shipping costs prepaid. When shipping any product, make sure it is properly packaged for complete protection.

Hanna Instruments reserves the right to modify the design, construction, or appearance of its products without advance notice.

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## Dear Customer,

Thank you for choosing a Hanna Instruments product. Please read this instruction manual carefully before using the meter. For more information about Hanna Instruments and our products, visit [www.hannainst.com](http://www.hannainst.com) or e-mail us at [sales@hannainst.com](mailto:sales@hannainst.com). For technical support, contact your local Hanna Instruments Office or e-mail us at [tech@hannainst.com](mailto:tech@hannainst.com).

## Preliminary Examination

Remove the product from the packing material and examine it carefully. If you require any further information, please contact Hanna Instruments technical support team. Each meter is delivered in a cardboard box and is supplied with:

- HI706023 Relative Humidity (RH) and temperature probe
- 1.5V AAA alkaline batteries (3 pcs.)
- Instruction manual
- Instrument & Electrode quality certificate

**Note:** Save all packing material. Any damaged or defective item must be returned in its original packing material with the supplied accessories.

## General Description & Intended Use

HI95654 together with HI706023 RH and temperature probe is designed to measure humidity (dewpoint) and temperature in humidity-sensitive areas such as laboratories or clean rooms.

Housed in an IP67 waterproof casing, the meter features a two-button operation system and is simple to use.

The HI706023 RH and temperature probe features a factory calibrated electronic sensor that does not require user calibration.

**Warning:** Never submerge HI706023 RH and temperature probe in liquid.

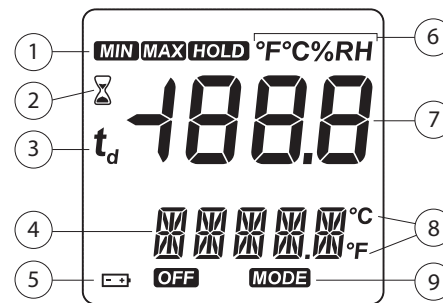
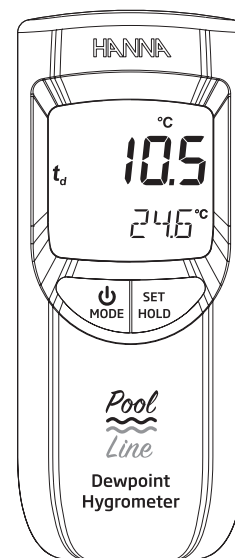
## Specifications

Range	0.0 to 100.0 % RH -10.0 to 60.0 °C (14.0 to 140.0 °F)
Dewpoint temperature	-20.0 to 60.0 °C (-4.0 to 140.0 °F)
Resolution	0.1 % RH 0.1 °C / 0.1 °F
Dewpoint temperature	0.1 °C / 0.1 °F
Accuracy	±2.5 % RH (0 to 90 % RH) ±3.5 % RH (90 to 100 % RH) ±0.4 °C / ±0.8 °F
Dewpoint temperature	±2 °C / ±4 °F (50 to 85 % RH & 15 to 40 °C) ±4.5 °C / ±9 °F (outside)
Probe	HI706023 RH and temperature probe
Battery type	1.5 V Alkaline AAA (3 pcs.)
Battery life	10,000 hours of continuous use
Auto-off	User selectable: after 8 minutes, 60 minutes or disabled
Environment	0 to 60 °C (32 to 140 °F); 98 % RH non-condensing
Dimensions	154 x 63 x 30 mm (6.1 x 2.5 x 1.2")
Weight	196 g (6.91 oz.) with batteries
Case rating	IP67

## Main Features

- Simultaneous RH and temperature measurements on a large, dual-line LCD display
- Selectable temperature unit (°C or °F)
- HI706023 dedicated RH and temperature probe with electronic sensor
- Probe quick connect system
- Battery life indicator and low-battery detection
- Keystroke confirmation tone
- Auto-off function
- Waterproof casing IP67

## Functional Description & LCD Display



1. MIN, MAX value and HOLD indicator
2. Stability indicator
3. Dewpoint indicator
4. Secondary LCD
5. Low-battery indicator
6. RH unit (°F or °C)
7. Primary LCD
8. Temperature unit
9. Meter modes indicator

## Operational Guide

Each meter is supplied with batteries. Before using the meter for the first time, open the battery compartment and insert batteries, paying attention to the correct polarity (see Battery Replacement).

### Connecting the Electrode

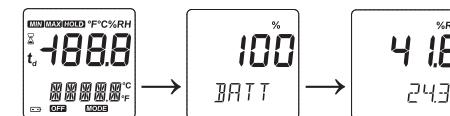
With the meter off, connect the HI706023 probe to the DIN socket (at the bottom of the meter).

Align the key pin and push the plug in firmly.

Remove the protective cap from the probe before taking any measurements.

### Turning the Meter ON

To turn the meter ON, press the /MODE button. At start-up the meter displays all LCD segments for a few seconds, followed by the percentage of the remaining battery life then the meter enters measurement mode.



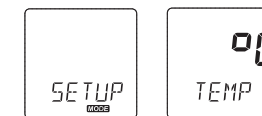
**Note:** The meter automatically detects the connected probe.

“NO PROBE” is displayed, if the probe is not connected. “WAIT” followed by “NO” “PROBE” are displayed, if the probe is not compatible.

If the readings are out of range, the measurement range limit values are displayed blinking.

### Meter Setup

Setup mode allows selection of temperature unit, Auto-off and beep confirmation tone. To enter setup mode, press and hold /MODE button until “SETUP” and “MODE” tags are displayed. Release the button.



- “TEMP” is displayed on the secondary LCD with the current temperature unit (e.g. “TEMP °C”). Press SET/HOLD button to change temperature unit. After the temperature unit has been selected, press /MODE to confirm and to enter the “A-OFF” selection.