

Operational guide

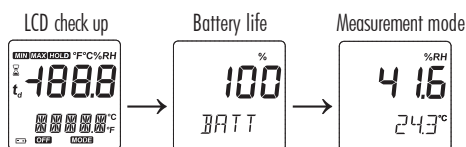
Each meter is supplied with batteries. Before using the meter for the first time, open the battery compartment and insert batteries, observing the polarity (see [Battery Replacement](#)).

Connecting the electrode

With the meter turned off, connect the [HI706023](#) probe to the DIN socket (at the bottom of the meter) by aligning the key pin and pushing 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 on the front of the meter. 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.

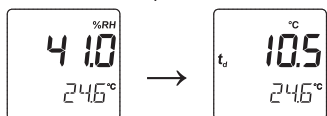


Note: The meter will automatically detect the connected probe.

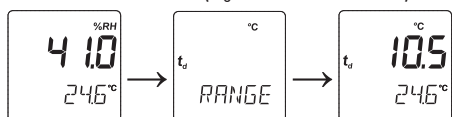
- If the probe is not connected the message, "NO PROBE" will appear on secondary LCD.
- If the probe is not compatible, after "WAIT" message, "NO" "PROBE" message will alternate on the secondary LCD.
- If the readings are out of range, the measurement on the display will flash.

Selecting measurement range (HI9565 only)

When in measurement mode, short press the /MODE button to switch between RH and dewpoint measurement.

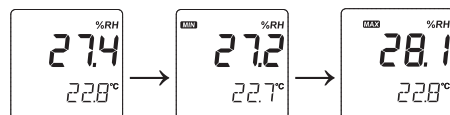


A long press of the /MODE button will display "RANGE" and the measurement unit (e.g. % RH and td with °C).



Minimum, Maximum values

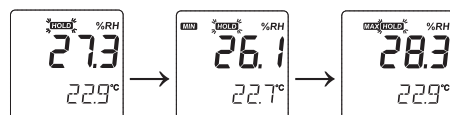
To switch between minimum, maximum or current measured values short press the SET/HOLD button.



To reset minimum or maximum values turn the meter off and then back on.

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 (HI9565 only) short press /MODE button.

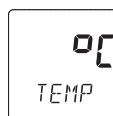
Long press the SET/HOLD button, until "HOLD" tag disappears to resume active measurement.

Meter setup

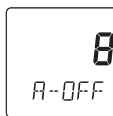
Setup mode allows selection of Temperature unit, Auto-off and Beep confirmation tone. To enter setup mode press and hold /MODE button until "SETUP" and "MODE" tags are displayed. Release the button.



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



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



- To switch the beep tone ON or OFF, press the SET/HOLD button; press to confirm and to return to normal mode.



Press the /MODE button to exit setup mode.

Warranty

HI9564 and HI9565 are warranted for two years against defects in workmanship and materials when used for their 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 (see engraved on the back of the meter) 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 number from the Technical Service department and then send it with shipping costs prepaid. When shipping any meter, make sure it is properly packed for complete protection.

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Certification

All Hanna Instruments products conform to CE European Directives. RoHS compliant

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.

Recommendations for users

Before using Hanna Instruments products, make sure that they are entirely suitable for your specific application and for the environment in which they are used. Any variation introduced by the user to the supplied equipment may degrade the meter's performance. For yours and the instrument safety do not use or store the instrument in hazardous environments.

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

INSTRUCTION MANUAL

HI9564 • HI9565 Portable Waterproof Thermo Hygrometer



Thank You

Thank you for choosing a Hanna Instruments product. Please read this instruction manual carefully before using the meter.

This manual will provide you with the necessary information for correct use of this meter, as well as a precise idea of its versatility.

If you need additional technical information, do not hesitate to e-mail us at tech@hannainst.com or view our worldwide contact list at www.hannainst.com.

Preliminary examination

Remove the meter from the packaging and examine it carefully to make sure that no damage has occurred during shipping. Notify your nearest Hanna Instruments Customer Service Center if damage is observed.

Each meter is delivered in a cardboard box and is supplied with:

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

Note: Save all packing material until you are sure that the meter works correctly. Any damaged or defective item must be returned in its original packing material with the supplied accessories.

General description and Intended use

The **HI9564** and **HI9565** together with **HI706023** RH and temperature probe are designed to measure humidity or dewpoint (**HI9565** only); and temperature in humidity sensitive areas such as laboratories or clean rooms.

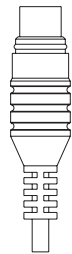
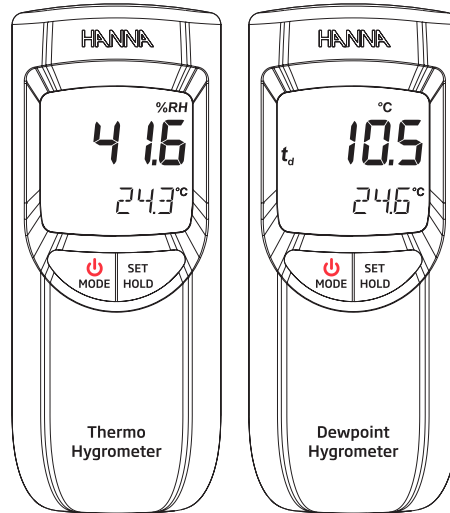
The meter features a two button operation system and is simple to use. It is housed in an IP67 waterproof casing, ideal for environmental humidity.

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

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

Main features

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



HI9564

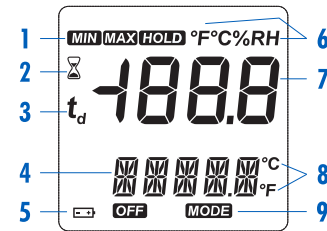


HI9565

Specifications

Range	0.0 to 100.0 % RH -10.0 to 60.0 °C / 14.0 to 140.0 °F
Dewpoint temp. (HI9565 only)	-20.0 to 60.0 °C / -4.0 to 140.0 °F
Resolution	0.1 % RH 0.1 °C / 0.1 °F
Dewpoint temp. (HI9565 only)	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 temp. (HI9565 only)	±2 °C / ±4 °F (50 to 85 % RH & 15 to 40 °C); ±4.5 °C / ±9 °F (outside)
Probe (included)	HI706023 RH/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
Meter dimensions	154 x 63 x 30 mm (6.1 x 2.5 x 1.2")
Weight (with batteries)	196 g (6.91 oz.)
Case ingress protection rating	IP67

Display description



HI9565

- 1 MIN, MAX value and HOLD indicator
- 2 Stability indicator
- 3 Dewpoint indicator (**HI9565** only)
- 4 Secondary LCD
- 5 Low battery indicator
- 6 RH unit (°F, °C **HI9565** only)
- 7 Primary LCD
- 8 Temperature unit
- 9 Meter modes indicator

Battery replacement

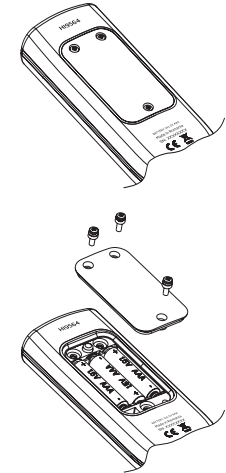
When the remaining battery life is less than 10% the battery tag blinks on the display to warn the user.



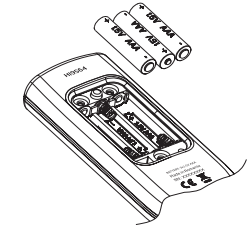
Battery Error Prevention System (BEPS)

If the batteries are dead the display shows "bAtt" "DEAD" for a few seconds then powers off. Immediately replace the batteries.

The batteries are accessed by opening the battery cover on the back of the instrument. Remove protective boot if present.



Replace the three 1.5V AAA alkaline batteries located in the battery compartment, observing the indicated polarity.



Replace the battery cover while making sure that the gasket is in place.

Accessories

HI706023	RH and temperature probe with DIN connector and 1 m (3.3') cable
HI710142	Black carrying case
HI710028	Orange silicon rubber boot