



The Hygromaster is a convenient, durable, hand held thermo-hygrometer for use across many industries and applications. It may be used to measure relative humidity (RH), temperature and dew point. Its large LCD displays RH, ambient and dewpoint temperatures for easy viewing. An optional surface temperature probe accommodates a range of additional uses. The Hygromaster has a uniquely designed removable Hygro-

stick probe system that is independently calibrated from the instrument. The system allows the use of multiple probes with one meter. Simple replacement of the probe substantially reduces instrument service downtime. The meter is supplied with carrying pouch, Hygrostick and instructions.

# Hygromaster

Cost-effective  
Portable RH,  
Temperature & Dew  
Point Indicator

*Advanced portable, battery-operated measurement for checking a wide variety of environmentally controlled spaces*

## Features

- Displays - %RH - Air Temperature - Dewpoint - Surface Temperature
- Large LCD display in 0.1% increments
- User select - °C or °F
- User select - auto shut off between 0 and 9 minutes
- Reading hold
- 2 x AA batteries (supplied)
- Pouch with belt loop
- Accuracy better than 2% RH

## Benefits

- Modular, replaceable Hygrostick probe
- Probe may be calibrated independent of meter
- Interchangeable probes eliminate downtime
- Robust design
- Factory calibrated
- 3 point NIST traceability (optional)

## Applications

- HVAC Building Control
- Energy Management Systems
- Indoor Air Quality (IAQ)
- Clean Rooms
- Pharmaceutical
- Museums/Archives
- Building Restoration



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# SPECIFICATIONS

## Range and Performance % RH

Measurement  
Range: 20 to 100% RH; 32 to 122 °F (0 to 50 °C)

Nominal % RH  
Measurement  
Range: In the range 20 to 29% RH  $\pm 3.0\%$  RH  
Uncertainty: In the range 30 to 40% RH,  $\pm 2.5\%$  RH  
In the range 41 to 98% RH,  $\pm 1.75\%$  RH

## Temperature

Range: 15° to 120°F (-10° to 50°C)  
Uncertainty:  $\pm 0.6^\circ\text{F}$  ( $\pm 0.3^\circ\text{C}$ )

## Dewpoint Accuracy

Measurement  
Range: 0° to 122°F (-18° to 50°C)  
Uncertainty: In the range 20 to 29% RH,  $\pm 4.0^\circ\text{F}$  ( $\pm 2.2^\circ\text{C}$ )  
In the range 30 to 40% RH,  $\pm 2.5^\circ\text{F}$  ( $\pm 1.4^\circ\text{C}$ )  
In the range 41 to 98% RH,  $\pm 1.8^\circ\text{F}$  ( $\pm 1.0^\circ\text{C}$ )

## Optional Surface

Temp. Probe: -15° to 120°F (-26° to 49°C)  
Uncertainty:  $\pm 0.5^\circ\text{F}$  ( $\pm 0.3^\circ\text{C}$ )

## Weight and Dimensions

Gross Weight: 5.3oz (150g)  
Size (LxWxH): 7 x 1 x 1.9" (180 x 28 x 49mm)

Power: 2 AA batteries (supplied)



Supplied with pouch,  
Hygrostick and instructions  
**Part no. S40231429**

## OPTIONS



Additional Hygrostick probes –  
**Part no. S40231976**



Hygrostick extension lead 28" long –  
**Part no. S40231968**



Surface Temperature sensor –  
**Part no. S40234896**

3 Point NIST traceable certificate – 30, 50, and 80%RH @ 25 °C (68 °F)  
**Part no. A40103047**



**GE Measurement & Sensing Technologies**

**GE General Eastern Instruments**  
20 Commerce Way  
Woburn, Massachusetts 01801  
Tel: 800-33HUMID (800-334-8643)  
Fax: 781.938.1071  
[www.generaleastern.com](http://www.generaleastern.com)