

Phoenix HM-40

Precision ThermoHygrometer

Fast, Accurate, Dependable

The HM40 ThermoHygrometer is Vaisala's newest technology meter with multiple displayed values and real-time acclimation screen for accurate readings. This instrument is the advanced version of the Phoenix HMI-41, which has been widely used in the restoration industry and has established a reputation for accuracy and dependability. Manufactured by the Vaisala Company in Helsinki, Finland, the Phoenix HM40 meter will provide years of trouble-free service. The HM40 displays temperature, RH%, dew point, wet bulb temperature, grains per pound, and BTUs per pound. The Phoenix HM40 meter incorporates Vaisala's trusted HUMICAP® 180R Sensor, which is accurate, durable and resistant to dust and most chemical contaminants. This compact, portable, easy-to-use humidity meter is the ideal spot-checking tool for fast, accurate and reliable measurements anywhere, anytime. Accurately analyzing the conditions in the affected space is crucial to successful drying. The precision of the HM40 is a must in any restorer's toolbox.



Phoenix HM-40
Part No. 4034285

Phoenix HM-40 W/Probe
Part No. 4034345

Specifications

Relative Humidity

Range 0 to 100% RH
Accuracy ±1.5% (0 to 90% RH)
±2.5% (90 to 100% RH)
Sensor type HUMICAP® 180R

Temperature

Range 14 to +140 °F
Accuracy .36 °F (32 °F to 104 °F)
.72 °F (14 °F to 32 °F and 104 °F to 140 °F)
Sensor Pt 1000 RDT Class FO.1 IEC 60751

General

Power-up time <3 seconds
Batteries 2 x AA sized, 1.5 V
Calculated parameters Td, Tw, a, x, h
Display LCD (140 x 160 pixels)
Operation time typical 100 hours (without backlight)
Operation temperature range 14 °F to 140 °F

Storage temperature range -22 °F to 158 °F

Simple and easy to use

The HM40 includes a user-friendly, large graphic display and easy-to-use push buttons. The user interface is simple and intuitive to use, and available in 10 languages. Also, many other settings can be modified by the restorer to best suit his or her individual needs. In addition to relative humidity and temperature, the HM40 provides five calculated humidity parameters, available in both metric and nonmetric units, including dewpoint, wet bulb temperature, and grains per pound. The HM40 Humidity Meter is available in either the standard version (4034285) or remote probe version (4034345). The graph clearly indicates when the readings have stabilized. The meter is powered by 2 AA-sized batteries. An external NiMH battery recharger with USB connection and rechargeable NiMH batteries are offered as an option. Each HM40 comes also with a handy belt clip and a case.

Features:

- Humidity measurement range 0 ... 100 %RH
- Operating temperature range 14 °F to 140 °F
- Incorporates the proven Vaisala HUMICAP® 180R Sensor
- The interchangeable measurement probe HMP113 can be user calibrated
- Graphical display indicates when measurement has stabilized
- Hold-button to freeze the screen and save the reading
- Multilingual user interface with 10 languages (EN, DE, FR, JA, ZH, PT, ES, RU, FI, SV)



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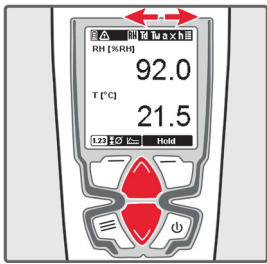
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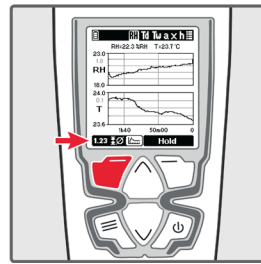
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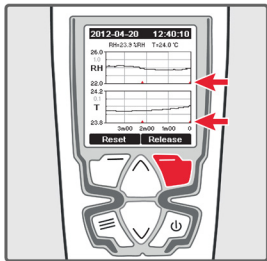
Quick Guide



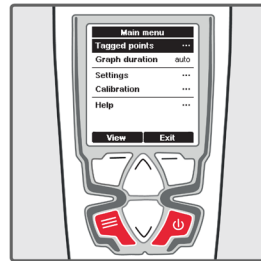
Change parameter with arrow buttons.



Change view with left function button.



Hold screen and tag point with right function button.



Menu and power buttons.

Warnings

Do not drop.

Do not open filter.

Keep out of extreme temperatures (14°F - 140°F is the recommended operating range)



Measured Parameters

RH %	Relative Humidity
Td °C, °F	Dewpoint
Tw °C, °F	Wet Bulb Temperature
a g/m ³ , gr/ft ³	Absolute Humidity
X g/kg, gr/lb	Mixing Ratio (Grains Per Pound)
h kJ/kg, btu/lb	Enthalpy
T °C, °F	Temperature