

Phoenix HMI-41 Precision ThermoHygrometer

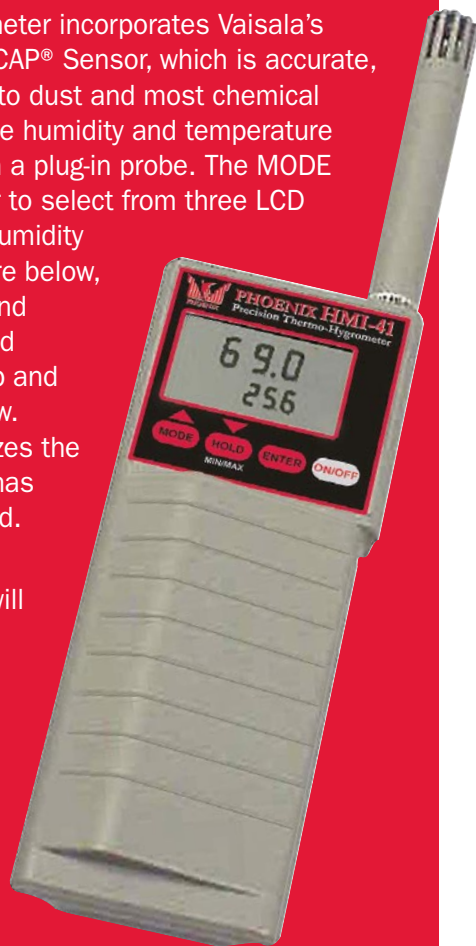
The Premier Humidity Meter

The Phoenix HMI-41 Precision ThermoHygrometer is the fastest and most accurate humidity meter in the industry. It provides a convenient and reliable way to spot check relative humidity, temperature, dew point, and grains per pound.

This instrument is the advanced version of the Phoenix HM-34, 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 HMI-41 meter will provide years of trouble-free service.

The Phoenix HMI-41 meter incorporates Vaisala's next generation HUMICAP® Sensor, which is accurate, durable and resistant to dust and most chemical contaminants. Both the humidity and temperature sensors are housed in a plug-in probe. The MODE button allows the user to select from three LCD displays: (1) relative humidity on top and temperature below, (2) dew point on top and temperature below, and (3) temperature on top and grains per pound below. The HOLD button freezes the measurement until it has been noted or recorded.

When left idle for five minutes, the HMI-41 will automatically switch off unless the MODE or HOLD function has been activated. This automatic POWER-OFF function is adjustable and prevents accidental discharge of the HMI-41's batteries.



**The Only Choice for
Restoration Professionals**

Phoenix HMI-41 Specifications

Part No.	4024995
Relative Humidity	
Range	0 to 100% RH
Accuracy	+2% (0 to 90% RH) +3% (90 to 100% RH)
Resolution	0.1% RH
Temperature Dependence	+0.02%RH/°F
Sensor type	HUMICAP®
Response time	15 seconds
Temperature	
Range	-4 to +140°F
Accuracy	+0.5°F
Resolution	0.1°F
Temperature Dependence	+0.02°F
Sensor	Pt 100 IEC 751 1/3 Class B

General

Typical Ranges of Calculated Variables:

Dew Point	-40°F to +140°F
Absolute Humidity	0 to 69.9 gr/ft3
Wet Bulb Temperature	32°F to 140°F
Mixing Ratio (Grains)	0 to 1120 gpp (grains/lb)
Display	Two Line LCD
Weight	250g (.55 lb)
Size	6.3" x 2.2" x 1.1"
Power Supply	4 Type AA batteries

Each Unit Includes:

- HMI-41 Indicator
- HMP-41 Probe
- 4 Type AA batteries



Phoenix HMP-42 Probe

Precision ThermoHygrometer

For use with the HMI-41 Precision ThermoHygrometer*

Designed for use with the HMI-41 Precision ThermoHygrometer, the HMP-42 Probe provides unparalleled measurement capabilities. With a probe head diameter of only 4 mm and a length of 9.2 in., this remarkable probe structure is specifically designed for attaining measurements in very tight spaces such as inside walls.



Special Features (with the HMI-41)

- Calculates grains per pound
- Measures humidity and temperature
- Calculates dew point
- Fast response +/- 2% accuracy
- Stable performance in airstream
- Adjustable, Auto POWER-OFF
- Lightweight, durable

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Phoenix HMP-42 Probe Specifications

Part No.	4024996
Relative Humidity	
Range	0 to 100% RH
Accuracy	+2% (0 to 90% RH) +3% (90 to 100% RH)
Temperature Dependence	+0.02%RH/°F
Long-term Stability	1% RH per year
Sensor Type	HUMICAP® MINI
Response Time	30 seconds

Temperature

Range	-4 to +140°F
Accuracy	+0.5°F
Sensor	Pt 100 IEC 751 1/3 Class B

*Phoenix HMI-41 Precision ThermoHygrometer, Part No. 4024995, sold separately.

