Phoenix Psychrometric Calculator

Quick and Easy Dew Point and Grains Calculations

A "Must-Have" Restoration Tool

The Phoenix Psychrometric Calculator gives you the moisture content information you need to determine a drying strategy and monitor the drying process.

Fast, Easy Calculations

With this handy tool, you can accurately calculate dew point and specific humidity (grains of water per pound of air) without fumbling through awkward psychrometric charts. Simply set the temperature and relative humidity; the specific humidity and dew point temperature are displayed in their respective windows.

This moisture content information is crucial to the restoration professional in order to determine the drying strategy and monitor the drying process.

For an example of how easy it is to find moisture content information with the Phoenix Psychrometric Calculator, see the reverse side of this page.

step 1
Set Red Guide at Temperature.
Step 2
Turn Relative Humidity
Wheel to Red Guide.

Psychrometric Calculator

Phoenix
ResToration Equipment

Therma-Stor, LLC

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Features

- Provides accurate moisture content information in an easy-to-use tool
- · Helps avoid common data input errors
- Accepts input data from 3% to 100% relative humidity
- Accepts temperature inputs from 20°F (-7°C) to 120°F (49°C)
- Temperature and dew point are listed in both Fahrenheit and Celsius

The Only Choice for Restoration Professionals



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INSTRUCTIONS To find the Dew Point and Specific Humidity (grains per pound of air) for a given temperature and relative humidity, follow the 3 step procedure. Example: 80°F. and 60% RH STEP 1 Set the red guide on the clear plastic sheet at the Step 3 Read Grains Pe of air or Do temperature of 80°F. uide at STEP 2 Turn Relative Humidity Wheel to Red Guide. Turn the white relative humidity wheel until 60% relative humidity aligns with the red guide. set Red Guide at Temperature. 1919 S. Stoughton Read Grains Per Pound of air or Dew Point at STEP 3 Read the Specific Humidity in the Grains window. Since each tick mark represents 2 grains, the Specific Humidity is 92 Grains per Pound. Step 1 Set Red Guide at Read the Dew Point temperature in the Read Grains Per Pour of air or Dew Point a Temperature. dew point window. The Dew Point is 64° Turn Relative Humidity Wheel to Red Guide. Fahrenheit or 18° Celsius. Size: Six-inch diameter Part No. 4024392 Therma-Stor, LLC 1919 S. Stoughton Road ~ PO Box 8050 ~ Madison, WI 53708 800-533-7533 ~ 608-222-5301 ~ Fax 608-222-1447

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