



Multifunction Thermo Hygrometer PCE-HGP



PCE-HGP Multifunction Thermo Hygrometer / Moisture Meter

Uses penetrating pins to measure moisture content of wood and other materials /

Also measures air relative humidity (RH) and temperature and calculates dew point temperature

PCE-HGP is a multifunction thermo hygrometer / moisture meter that uses penetrating pins to measure the moisture content of wood and other construction or building materials. PCE-HGP also measures the relative humidity (RH) and ambient temperature and calculates the dew point temperature of the air.

A table of exotic wood type coefficient values is provided in the user manual to allow for proper calculation. The table lists coefficient values for exotic wood types including but not limited to Gonzales Alves, Pine, Brazilian-Rosewood, Chipboard, Cedar, Dogwood, European Aspen, Elm, Oak, Juniper, Maple, Ash, Quebracho Blanco and Colorado, Sandalwood, Mahogany, Olive, Umbrella, Pear, Persimmon, African Walnut, Teak, Willow and more.

- ▶ Penetrating pins measure moisture content of wood and other construction or building materials
- ▶ Measures 3 wood groups (12 types + 270 exotic types)
- ▶ Also measures air humidity (RH) and ambient temperature and calculates dew point temperature
- ▶ Compact, lightweight, pocket-sized hygrometer
- ▶ High accuracy
- ▶ Temperature compensation
- ▶ Ideal for use in situ
- ▶ User friendly
- ▶ Capacitance and resistance sensor types
- ▶ Low power indicator and auto-off power-saving function after 5 minutes of inactivity

Subject to change

Specifications

Measuring ranges

Material moisture: 6% ... 60%

Relative humidity: 0% ... 100% RH

Air temperature: -5 ... 50°C / 23 ... 122°F

Dew point temperature: -9 ... 50°C / 16 ... 122°F

Out of range indication

Below range: LO

Over range: HI

Number of wood groups

3 groups: 12 types + 270 exotic types

Wood temperature range

0 ... 50°C / 32 ... 122°F

Accuracy

Material moisture:

±1% within range 6% ... 15%

±2% within range 16% ... 28%

Over 28% - approx. measurement

Relative humidity (at 20°C / 68°F):

±2% within 20% ... 85%

±3% within 0% ... 20% and 85% ... 100%

Air temperature:

± 1°C / ±2°F

Resolution

Material moisture: 0.1%

Relative humidity: 0.5 % RH

Air temperature: 0.5°C / 32.9°F

Sensor types

Relative humidity: Capacitance (HUMIREL)

Air temperature: Resistance (HUMIREL)

General specifications

Display: LCD

Power: 1 x 12V battery

Auto power off: After 5 minutes of inactivity

Dimensions: 160 x 27 x 15 mm / 6.2 x 1.0 x 0.6 inches

Weight: 100 g / < 1 lb

See user manual for complete technical specifications.

More information

Manual



More product info



Similar products



Subject to change