



Handheld Multi-Function Thermo-Hygrometer

RH650



- ✓ Measures: Temperature, Humidity (RH) and Moisture (GPP, DP, AP and VP)
- ✓ Stores/Recalls 20 Sets of Readings
- ✓ Programmable High and Low Alarms for Relative Humidity, Relative Moisture Level and Absolute Moisture Level
- ✓ Backlit LCD with 3-Digit Primary Readout and 4-Digit Secondary Readout
- ✓ Min/Max, Data Hold, and 30-Minute Auto Power-Off Functions

The OMEGA® RH650 precision invasive/non-invasive moisture meter with temperature, humidity (RH) and moisture readings is ideal for water damage restoration contractors, facility maintenance professionals and HVAC system installers/technicians.

The RH650 reads a multitude of important humidity and moisture values including ambient temperature (°C or °F), relative humidity (RH), absolute humidity (in mg/L or g/m³), GPP (mixing ratio in grains per pound or g/kg), relative moisture level using pinless sensor, absolute moisture level using included pin-type probe, dew point, atmospheric pressure and vapor pressure.

SPECIFICATIONS

Ambient Temperature Measurement

Range/Accuracy: -29 to 75°C (-20 to 167°F)/2°C (±3.6°F)

RH Measurement Range: 0 to 100%

RH Measurement Accuracy:

±2.5% from 11 to 90% RH

±3% RH elsewhere

Absolute Humidity Range:

0.5 to 240 mg/m³

GPP Range: 0 to 999

GPP: (0 to 160g/kg)

Relative/Absolute Moisture Level

Range: 0 to 99.9%

Pinless Moisture Measurement

Depth: 19 mm (0.75")

External Moisture Probe

Measurement Accuracy/Resolution:

±3%/0.1%

External Probe Pin Length:

10 mm (3/8")

Dew Point Range: -60 to 60°C (76 to 140°F)

Atmospheric Pressure Range: 30 to 120 kPa

Vapor Pressure Range: 0 to 20.0 kPa

Sampling Rate: 2X/sec

Memory Capacity: 20 points

Auto Power-Off Trigger: 30 minutes of inactivity

Battery Life: 6 to 8 weeks (4 hrs/day use)

Operating Temperature: 0 to 43°C (32 to 110°F)

Dimensions: 185 L x 72 W x 36 mm D (7.3 x 2.8 x 1.4")

Weight: 175 g (6.2 oz.) without battery

Power Source: "9V" battery (included)

To Order

Model No.	Description
RH650	Handheld thermal hygrometer for temperature, relative humidity and moisture
MN1604	Replacement alkaline 9V battery

Comes complete with meter, 9V battery, external moisture probe, soft carrying case and operator's manual.