

# Thermo-Hygrometer

## Very High Performance - Large Display

The RH411 comes complete with handheld temperature/humidity probe with 1.5 m cable, ac adapter, 9 V battery and operator's manual

Shown actual size



Model RH411  
**£234**  
Basic Unit



- ✓ Dual Display for Simultaneous Indication of BOTH Temperature and Relative Humidity
- ✓ Dual Simultaneous Analogue Outputs for Temperature and Relative Humidity
- ✓ °C/°F Switchable
- ✓ Display Hold
- ✓ Min/Max Storage
- ✓ Sleep Mode to Prolong Battery Life
- ✓ Digital % RH and Temperature Calibration for Accuracy and Repeatability
- ✓ Companion Full Function Multi-Meter Available

U.S. Patented D316,053;  
4,949,274; 4,864,226/  
Canada 1,288,818/  
Germany DE3879889T2/  
Italy 0318549/  
Japan 2,614,507; 2,092,876  
UK0318549





## Specifications

### HUMIDITY MEASUREMENT

**Range:** 2 to 98% RH

**Accuracy:** 3% @ 25°C, between 20 and 90% of range; 5% @ 25°C, below 20% or above 90%

**Sensor:** Resistive polymer

**Response Time:** 30 seconds for a 30 to 80% step change

**Display Resolution:** 1% RH

### TEMPERATURE MEASUREMENT

**Range:** -17 to 48°C; (2 to 120°F)

**Accuracy:** ± 0.56°C

**Sensor:** Solid state

**Response Time:** 3 m for 63% step change

**Display Resolution:** 1°F/1°C

### DISPLAY FUNCTIONS

**Indication:** Continuous, for both temperature and humidity

**Min/Max:** Storage of high and low readings for both temperature and humidity; user reset to clear stored values at any time

### ANALOGUE OUTPUTS

**Types:** 10 mV/°F and 10 mV/%RH, continuous output; connected to >47kohm impedance

**Connections:** Standard banana plug; common ground connector for both outputs

### MECHANICAL

**Dimensions:** 180 x 81 x 60 mm (7.1" x 3.2" x 2.4")

**Probe:** 12.7 mm x 76.2 mm (0.5" x 3")

**Weight:** 14 oz (400 g)

**Display:** 11 mm (0.425") LCD readout; 3-digit temperature, 2-digit humidity indication; custom indicators for measurement units (%RH, °F, °C, min, max, reset, display hold and low battery)

**Meter Ambient Conditions:** (10 to 40°C); 50 to 104°F 0-90% RH, non-condensing

**Power:** 9 V battery; ac adapter included

**Battery Life:** 100 h, alkaline battery

**Sleep Mode:** Unit shuts off after 15 minutes if no buttons are pushed. User defeat on power up



Dual analogue outputs from the RH411 can be used to provide hard copy recordings of temperature and humidity readings on a dual-channel recorder.



Companion Full Function, Very High Performance Digital Talking Multimeter/Thermometer Available. Model HHM2IR Shown. See Page H-13

## Replacement Parts

Model Number	Price	Description
RH411-RP	£48.00	Replacement Probe
HHM1-AC-UK	13.75	230 V ac Adapter with UK Plug
HHM1-AC-EU	13.75	230 V ac Adapter with Euro Plug
HHM1-S	8.20	Soft Carry Case
MN1604	1.20	9 V Battery
CAL-80	63.00	Calibration Certificate

## To Order (Specify Model Number)

Model No.	Price	Description
RH411-220V*	£192	Digital Temperature/Humidity Indicator 230Vac Operation
RH411*	192	Digital Temperature /Humidity Indicator for 110vac Operation

\*RH411 supplied complete with handheld temperature/humidity sensor with 1.5 m cable, 9 V battery, adapter and operator's manual.

**Ordering Example:** RH411-220V digital temperature/humidity indicator £192.



## UNITED STATES

[www.omega.com](http://www.omega.com)

1-800-TC-OMEGA  
Stamford, CT.

## CANADA

[www.omega.ca](http://www.omega.ca)

Laval(Quebec)  
1-800-TC-OMEGA

## GERMANY

[www.omega.de](http://www.omega.de)

Deckenpfronn, Germany  
0800-8266342

## UNITED KINGDOM

[www.omega.co.uk](http://www.omega.co.uk)

Manchester, England  
0800-488-488

## FRANCE

[www.omega.fr](http://www.omega.fr)

088-466-342

## CZECH REPUBLIC

[www.omegaeng.cz](http://www.omegaeng.cz)

Karviná, Czech Republic  
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## BENELUX

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