

# Handheld Relative Humidity Meters

RH-202 Series  
Starts at  
**\$581**



## Common Features

- ✓ Magnified Display
- ✓ Separate Battery Compartment
- ✓ RH Accuracy  $\pm 1.5\%$
- ✓ 0 to 80°C (32 to 176°F)

## RH-202 Features

- ✓ Waterproof to IP65 (With Plug Connected)
- ✓ Backlight
- ✓ Auto Switch-Off
- ✓ °C/°F/RH Selection Button

## RH-202L Features

- ✓ Connector for Type K Thermocouple
- ✓ Max/Min Averaging
- ✓ Display Hold
- ✓ Logging (250 Readings on Demand or Pre-Set Interval)
- ✓ Data Store with 4-Digit Data Code Input
- ✓ Dew Point Measurement
- ✓ Auto Range/Range Lock

## A New Range of Handheld Relative Humidity Instruments

The range has been specifically designed in response to demand for the effective and reliable measurement of controlled environments. Featuring 2 models, RH-202 and RH-202L with the latter including functions: dew point, calculation, separate thermocouple input and logging.

## Performance

The RH-202 meters from OMEGA® offer the user the highest accuracies for a budget price. The ergonomic case design with advanced technology sensors combine to give an instrument with excellent performance and long life.

The RH-202L features an external temperature probe option for pinpoint temperature measurement. 250 readings can be logged, replayed on the screen and output to a printer or PC using the HHP-2000-DL. Each reading is user coded and time and date stamped.

## Dew Point

The dew point is defined as the lower temperature to which air must be cooled in order for condensation (saturation) to occur. The dew point is dependent on the concentration of water vapor present, and, therefore, the relative humidity.

## Simple Data Collection and Analysis

The RH-202L features special logging functions that enable readings to be taken, stored, retrieved and downloaded in the shortest possible time. This reduces the risk of clerical errors and saves writing and keying-in time when analysis is needed.

## Logging on Demand

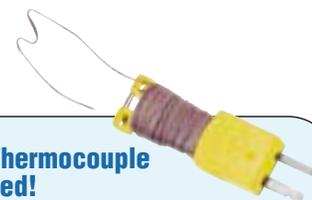
Logging on Demand allows readings to be stored when required, with the ability to add a 4-digit reference number (including decimal point) to each reading and record the date and time each reading is taken. This function is excellent for helping you cut down on paperwork and clerical errors. It is ideally suited to tasks where you wish to maintain a record of the time and date when a temperature was taken.

## Pre-Set Interval Logging

Pre-set interval logging lets you determine the frequency at which readings are taken. Once the instrument has been set, readings are taken automatically at the interval you decide (from once every



RH-202L, \$733, shown actual size.



## Free Thermocouple Included!

This model includes a free 1 m (40") Type K insulated beaded wire thermocouple with subminiature connector and wire spool caddy. **Order a Spare!**  
**Model No. SC-GG-K-30-36, \$15.**

† Refer to footnote on page Hu-20 for NIST calibration ordering information.

Specifications	RH-202	RH-202L
Sensor(s)	Pt100 + capacitive RH sensor	Pt100 + capacitive RH sensor input for Type K thermocouple (SMP type)
Range	0 to 100% RH, -10 to 100°C (+14 to 212°F)	0 to 100% RH, -10 to 100°C (+14 to 212°F)
Resolution	0.1% RH, 0.1°	RH 0.1%, Temperature 0.1° from -199.9 to +199.9°, 1° elsewhere
Accuracy	±1.5% RH, 0 to 100% non-condensing ±0.5°C (1°F) 0 to 80°C (32 to 176°F) All ±1 digit	±1.5% RH, 0 to 100% non-condensing ±0.5°C (1°F) 0 to 80°C (32 to 176°F) All ±1 digit ±0.2% reading ±2 digits for K thermocouple input
Operating Temperature	0 to 50°C	0 to 50°C
Operating Humidity	0 to 100% RH (non-condensing)	0 to 100% RH (non-condensing)
Battery Type	2 (AA) or equivalent cells (included)	2 (AA) or equivalent cells (included)
Battery Life	Typically 150 Hours	Typically 150 Hours
Low Battery Check	 symbol appears on display	 symbol appears on display
Display	12.7 mm (0.5") custom LCD	12.7 mm (0.5") custom LCD
Back Light	Yes	Yes
Environmental Specifications	IP65 with plug connected	
Dimensions	155 H x 67 W x 40 mm D (6.1 x 2.6 x 1.6")	155 H x 67 W x 40 mm D (6.1 x 2.6 x 1.6")
Weight	180 g (6.4 oz)	180 g (6.4 oz)

minute to once every 24 hours), providing an excellent means of troubleshooting and examining trends over a given period of time. With preset interval logging, you really can "set it, forget it" as the instrument will continue logging until a maximum of 250 readings are taken or your data is downloaded.

### Data Analysis

Data can be viewed and analyzed direct from the magnified display. By simply pressing a few keys you can scroll through your readings with ease. You may then download the data to a PC or Epson compatible printer via OMEGA's HHP-2000-DL. Data can then be analyzed using our OM-MLWIN.

### Data Download with the HHP-2000-DL

Access to stored information is gained via OMEGA's infrared HHP-2000-DL, which is designed to give users a quick and simple means of retrieving and downloading data. Information can be output direct to either an Epson compatible printer for immediate study or downloaded to a PC for more detailed analysis.

### Data Analysis with OM-MLWIN for Windows®

OMEGA® has created a Windows software package enabling information to be put into spreadsheets and charts for incorporating into reports and other documents. Even separate reports

from different units can be merged to produce one report.

PC analysis really couldn't be any simpler. By following the software's simple menu instructions, you will find it easy to view and manipulate information to your individual requirements. For example, once a logging session is complete, all you need to do in order to gain access to information stored within the instrument is position the PC's cursor over the "Retrieve Data" menu icon, click once and press a button on the instrument. Information is then automatically transferred, via the infrared link and stored within the computer.

You may display the retrieved information in graph format by positioning the cursor over the "Display As Graphical Data" menu icon and click again. You can access the graph produced to highlight certain areas or key data points, prior to printing or exporting the graph into other software packages.

Furthermore, all graphs show the identification number of the instrument used, enabling data to be cross-checked against calibration records helping to ensure full traceability.

Minimum PC requirements:  
386, 4MB RAM running with either  
Windows 3.1X or Windows 95.

**AVAILABLE FOR FAST DELIVERY!**

To Order (Specify Model Number)		
Model No.	Price	Description
RH-202	\$581	Handheld thermohygrometer
RH-202L	733	Handheld thermohygrometer with data logging

### Accessories

Model No.	Price	Description
CAL-3-HU†	\$125	NIST-traceable calibration
HHP-2000-DL	149	Infrared download box and data link
OM-MLWIN	20	Windows software (requires 4MB RAM and Windows 3.1X or 95)
HHP-2000-RB	42	Spare rubber boot

Comes complete with RH/Temp probe, rubber boot, 2 "AA" batteries and operator's manual.

**Ordering Examples:** RH-202, handheld thermohygrometer, \$581.

RH-202L, handheld thermohygrometer with data logging, plus CAL-3-HU, NIST traceable calibration, and OM-MLWIN, Windows software, \$733 + 125 + 20 = \$878.



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