

# High Performance Handheld Temperature/ Humidity Meter



- ✓ ±2% RH Accuracy
- ✓ Displays Temperature, RH, Dewpoint
- ✓ °C/°F Switchable
- ✓ Maximum/Minimum Recall, Display Hold
- ✓ Optional Analog Output (0-1 Vdc)
- ✓ Optional Rechargeable Batteries/Charger
- ✓ Carrying Case Included



Model RH71  
**\$395**  
Basic Unit



The RH71 is a low cost microprocessor based digital hygrometer/thermometer for measuring temperature, relative humidity, and dewpoint. Special features include reading temperature/dewpoint temperature in degrees F or C, a hold/reset button for holding the display readings, and a max/min button for storing the maximum or minimum readings. Also available is an optional 0-1 vdc analog output for both temperature and humidity which can go to a recorder, as well as an option for using rechargeable Ni-Cad batteries with recharger.

## Specifications

### RANGES:

**Relative Humidity:** 5 to 95%RH

**Temperature:**

-5 to 175°F (-20 to 80°C)

**Dewpoint:**

-58 to 175°F (-50 to 80°C)

### ACCURACY:

**Relative Humidity:** ±2% RH

**Temperature:** ±0.3% RDG ±1 Digit

### SENSING ELEMENT:

**RH:** Thin film capacitive

**Temp:** RTD (Pt100)

### Resolution:

0.1%RH, 0.1 degree F/C

### RESPONSE TIME:

**%RH:** up to 90% of change in 15 sec.

**Temperature:** 60 seconds

### Temperature Drift:

±0.5%RH per 10°C (18°F)

**Display:** 0.5" LCD, 4 digits

### Operating Temp:

instrument: 32 to 125°F (0 to 50°C)

probe: -5 to 175°F (-20 to 80°C)

**Power Supply:** 2AA 1.5V

alkaline batteries

**Battery Life:** 300 hours

**Battery Check:** Automatic

**Weight:** 8 oz. (227g)

### DIMENSIONS:

**Instrument:** 7.1 x 3.0 x 0.8"  
(180 x 76 x 20 mm)

**Probe:** 1" dia. x 7.0" long  
(25 x 178 mm)

**Optional:** 2 analog outputs, 0-1 Vdc  
rechargeable batteries with charger

## To Order (Specify Model Number)

| Model Number | Price | Description  |
|--------------|-------|--|
| RH71         | \$395 | Hygrometer/Thermometer   |
| RH71-A       | 445   | Hygrometer/thermometer with 0-1 Vdc analog output                            |
| RH71-AC      | 445   | Hygrometer/thermometer with rechargeable nicad batteries and recharger       |
| RH71-AC-A    | 495   | Hygrometer/thermometer with rechargeable batteries and analog 0-1 Vdc output |
| RH70-RP      | 250   | Replacement RH/Temp probe  |
| RH70-SF      | 23    | Sinter filter  |
| CAL-3-HU     | 125   | NIST Traceable Calibration   |

Unit comes complete with humidity/temp probe with 5' connecting cable, batteries, carrying case and manual.

**Note:** The analog output and/or rechargeable battery option is not field installable.

**Ordering example:** RH71-A handheld thermometer/hygrometer with 0-1 Vdc analog output, \$445.