

# OAKTON®

Relative Humidity/°F/°C and Relative Humidity/Dew point/°F/°C

## Thermohygrometer Kit

Comes **complete with everything you need** to begin taking relative humidity, dew point and temperature measurements accurately

### All push-button operation

### MAX/MIN memory function

shows high and low temperature, dew point or relative humidity values during meter use

### Two point auto-calibration

just place probe in calibration bottle and press a button; meter calibrates automatically and "beeps" when done

### Dew point model switches easily between humidity and dew point readings

### Dual display of relative humidity or dew point and temperature

no more switching between modes

### Switchable °F/°C readout

### High/Low set point alarms

sound when temperature or relative humidity readings are outside the set points

### Analog voltage recorder output

for charting relative humidity, dew point or temperature readings over time

### Hold function

### Memory reset

### Auto-off after 20 minutes of non-use

### All meters come complete with humidity/temperature probe, calibration standards and carrying case

everything you need to take relative humidity and temperature readings



1 year warranty



Above: Thermohygrometer with RH/temperature probe.

Top right: Ideal for taking temperature and relative humidity readings in HVAC applications

Middle right: Dew point model calculates and displays dew point from -60.0 to 120.0°F

Bottom right: All thermohygrometers come complete with humidity/temperature probe, calibration standards, instruction manual and carrying case

The OAKTON thermohygrometer is the only meter in its price range to come **complete with probe, calibration salts and carrying case**—a complete system for taking accurate relative humidity and temperature readings in lab, field and industrial applications. Dual display lets you see both relative humidity or dew point and temperature at a glance. Dew point model calculates and displays dew point at the touch of a button.

All models feature an analog voltage recorder output—simply connect to a recorder. Use benchtop stand and optional AC adapter for extended relative humidity monitoring. Memory reset allows you to take new maximum and minimum readings.

See the back of this sheet for ordering information and complete specifications.

OAKTON® ...setting the standard, again and again™

Large dual display shows measurement plus temperature.



Thermohygrometer kits come complete with meter, relative humidity/temperature probe, calibration salts, and hard carrying case.



Calibration runs automatically while you attend to other duties.



Belt loop carrying case protects your meter from the elements while in use (order separately).



Attach to recorder or datalogger for permanent record of your reading.



Bulletin HUMIDITY B1R1

## Thermohygrometer Kits

### • Applications •

**Industrial Applications:** Use in building maintenance/climate control, painting and coating work, food/paper manufacturing and storage, clean rooms, printing operations, and HVAC.

**Laboratory Applications:** Use in gas analysis, in computer rooms, R&D labs, clean rooms, metrology laboratories.

**Agriculture:** Use in greenhouse and horticulture industries, food industries, grain and fertilizer storage, and wine/tobacco production.

### • Specifications •

Mode	Relative Humidity	Dew Point (WD-35612-10 only)	Temperature
Range	0 to 99.9% RH	-51.0 to 49.0°C (-60.0 to 120.0°F)	0 to 50.0°C (32.0 to 122.0°F)
Resolution	0.1% RH	0.1°C (0.1°F)	0.1°C or °F
Accuracy	±2% from 0 to 95% RH at room temp.; ±3% from 95 to 100% RH	±2.0°C (±4.0°F)	±0.6°C (±1.0°F)
Output	0 to 1 V, 10 mV/1% RH	—	0 to 2 V, 40 mV/°C (10 mV/°F)
Sensor	electronic capacitance polymer film		thermistor-type
Response time	ten seconds (90% response)		one minute

Temperature limits: 0 to 50°C (32 to 122°F) for RH readings

Display: dual LCD

RH: 3-digit, 0.625"H

Temperature: 4½-digit, 0.25"H

Operating temperature: 0 to 50°C (32 to 122°F)

Power: 4 x 1.5 V AAA batteries >50 hours continuous use (included)

Dimensions:

Meter only: 7.5"L x 3.5"W x 1.75"H (19 x 9 x 4.5 cm)

Probe: 7.8"L x 0.69" dia. (20 cm L x 1.8 cm dia.).

Complete Kit: 14" x 9" x 2.75" (35.6 x 22.9 x 7 cm)

Weight: Meter: 1 lb (0.5 kg); Complete Kit: 4 lbs (1.8 kg)

### • Ordering Information •

#### OAKTON Thermohygrometer kits

All kits include meter, operating instructions, relative humidity/temperature probe, 33% RH calibration salt, 75% RH calibration salt, batteries and hard carrying case. Shipping weight 4 lbs (1.8 kg).

**WD-35612-00 OAKTON thermohygrometer kit**

**WD-35612-10 OAKTON dew point thermohygrometer kit**

#### Accessories

**WD-37950-52 Replacement probe**, 7.8"L x 0.7 dia. (20 cm L x 1.8 cm dia.). Shpg wt 0.4 lbs (0.2 kg)

**WD-35612-90 Replacement calibration salt bottle**, 33% RH; Shpg wt 0.1 lbs (0.05 kg)

**WD-35612-91 Replacement calibration salt bottle**, 75% RH; Shpg wt 0.1 lbs (0.05 kg)

**WD-09376-00 Replacement batteries**; 1.5 V AAA, pack of 12. Shpg wt 0.3 lbs (0.2 kg)

**WD-35615-75 Portable meter carrying case.** Protects meter while still letting you take measurements—case's top and side openings let probe and probe connections remain accessible. Shpg wt 1 lb (0.5 kg)

**WD-35615-07 AC Adapter**, 110 VAC. Shpg wt 1.3 lbs (0.6 kg)

**WD-35615-08 AC Adapter**, 220 VAC. Shpg wt 1.3 lbs (0.6 kg)

### • Also available •

#### RH/TempLog Datalogger

- Ideal for shipping or storage, laboratories, factories, cold rooms, greenhouses and more!
- Automatically log humidity and temperature (°C or °F) readings for months, then download data to your computer or printer
- Memory holds up to 16,000 readings
- Display shows current conditions; switch to min/max values by day(s)/hours(s) with a button press
- Built-in infrared (IRDA) transmitter sends data to optional IR printer
- Selectable sampling rate from once per 10 seconds to once per 2 hours
- Display flashes if alarm set point limits are exceeded
- Compact waterproof and dustproof housing
- External sensor input for an additional sensor

**WD-35710-10 RH/TempLog datalogger.** Shpg wt: 1 lb

**WD-35710-50 Software and cable.** Required for dataloggers—can be used with multiple loggers. Windows® 3.x/95/98 compatible

**WD-37455-70 HP printer**, includes one roll of paper and 4 AA batteries

Request bulletin Humidity E1 for wall mount thermohygrometers; request bulletins Humidity E2 and Humidity E3 for hygrothermographs.

Software is required for use with loggers; order separately. Software lets you:

- set sampling rate and create graphs
- set the logging interval
- select delayed or immediate start
- set alarm limits
- set to overwrite data or stop when full
- and more!



	Humidity	Temperature
Range	0 to 100% RH	-30 to 50°C/-22 to 122°F
Resolution	0.5% RH	0.5°C/1°F
Accuracy	±3% RH	±0.6°C/±1.1°F

**Output:** IRDA infrared interface to printer or computer; RS-232 to computer  
**Dimensions:** 2.8" dia. x 0.9"D.

### • ORDER FROM •