

# Digital Psychrometer + InfraRed Thermometer

**Humidity, Wet bulb, Dew Point and Air Temperature**  
Plus IR for non-contact surface Temperature measurements

## Features:

- Triple display with backlighting
  - View Air temp+RH+surface temp
  - View Dew Point+RH+surface temp
  - View Wet Bulb+RH+surface temp
- InfraRed Thermometer with
  - Built-in laser pointer
  - 8:1 distance to target ratio
  - Adjustable Emissivity from 0.3 to 1.0
- Precision humidity capacitance sensor is retractable for protection during transportation and storage
- Calculates T1 (IR Surface Temperature) - DP (Dew Point) differential
- Programmable Auto power off and Low battery indication
- Over-range/under-range alert indicator
- Built-in RS-232 interface for capturing readings on a PC
- RH401 complete with 4 AAA batteries and carrying case
- Optional RH405 kit includes meter, 33% and 75% calibration bottles, RS-232 cable, 4 AAA batteries and carrying case

## Applications:

- Monitor Wet Bulb, Dew Point, Relative Humidity and Temperature in factories, clean rooms, offices, and greenhouses
- Non-contact InfraRed surface temperature measurements in hard to reach areas such as heating and air conditioning duct
- Humidity monitoring in schools, offices and manufacturing or storage areas

**BUILT IN IR**  
**Thermometer**  
Patented



RH405 Digital Psychrometer + InfraRed Thermometer Kit includes calibration bottles, RS232 cable, and carrying case.

Specifications:	Range	Max Resolution	Basic Accuracy
Humidity	10 to 90%RH	0.1% RH	±3% RH
Temperature (internal)	-4 to 122°F (-20 to 50°C)	0.1°	±1.8°F or ±1°C
Temperature (external)	-328 to 2498°F (-200 to 1370°C)	0.1°	±0.3% or ±1.8°F/±1°C
Dew Point	-90.4 to 122°F (-68.0 to 49.9°C)		
Wet Bulb	-6.9 to 122°F (-21.6 to 49.9°C)		
Dimensions	9 x 2.2 x 1.7" (230 x 57 x 44mm)		
Weight	5.3oz (153g)		

## Ordering Information:

- RH401 .....Digital Psychrometer + InfraRed Thermometer  
 RH405 .....Digital Psychrometer + InfraRed Thermometer Kit  
 RH401-CAL .....33% and 75% RH calibration reference  
 407752 .....RS-232 PC cable and software for RH401

