

6000 Series Thermo-Hygrometers

dew point calculation & max/min function

- remote or integral %rh & temperature probe
- displays max/min humidity or temperature
- optional backlit display

The 6000 series thermo-hygrometers are easy to use relative humidity and air temperature measuring instruments. The units measure %rh over the range of 0 to 100 %rh with a resolution of 0.1 %rh and temperature over the range of -20 to 70 °C (-20 to 50 °C with a fixed probe) with a resolution of 0.1 °C/°F.

The thermo-hygrometers incorporate a clear custom LCD with °C, %rh, max/min, hold and dew point indication. There is an automatic display of both open circuit and low battery. The 6000/6100 display the temperature and humidity at the push of a button separately whereas the 6002/6102 display humidity and temperature simultaneously and additionally incorporate a backlit display.

All units are powered by three AAA batteries with a minimum life expectancy of 10000 hours. An auto-power off facility turns the thermo-hygrometer off automatically after ten minutes, maximising battery life.



6100/6102 thermo-hygrometers with remote probe

These thermo-hygrometers utilise an interchangeable probe that incorporates a one-metre lead with a 6-pin Lumberg connector. If the probe needs to be replaced, the instrument will not require re-calibration as the probes are fully interchangeable.



UKAS Calibration Certificate

An optional 3-point UKAS Humidity Calibration Certificate is available at a preferential price, when purchased with these thermo-hygrometers.



order code	description
224-600	6000 thermo-hygrometer
224-610	6100 thermo-hygrometer
224-602	6002 thermo-hygrometer
224-612	6102 thermo-hygrometer
830-227	protective silicone boot - black
224-615	6100/6102 spare probe
890-111	*UKAS 3-point Certificate

**price when purchased with a new instrument*

specification	temperature	humidity
range	-20 to 50/70 °C	0 to 100 %rh
resolution	0.1 °C/°F	0.1 %rh
accuracy	±1 °C ±1 digit*	±2 % (10 to 90 %rh)
sensor type	silicone bandgap	capacitance polymer
battery	3 x 1.5 volt AAA	
battery life	minimum 5 years (10000 hours)	
display	12 mm LCD	
dimensions	25 x 56 x 128 mm	
weight	130/160 grams	

*accuracy ±0.4 °C over the range 0 to 40 °C otherwise ±1 °C



6500 Thermo-Hygrometer

measures humidity & air temperature

- dew point calculation & max/min function
- remote %rh & temperature probe

The 6500 thermo-hygrometer measures both relative humidity and air temperature. The instrument displays %rh over the range of 0 to 100 %rh with a resolution of 0.1 %rh and temperature over the range of 20 to 70 °C with a resolution of 0.1 °C.

The unit incorporates a clear custom LCD with °C, %rh, max/min, hold and dew point indication. An auto-power off facility turns the thermo-hygrometer off automatically after ten minutes, maximising battery life.

The 6500 thermo-hygrometer incorporates four, easy to use, push buttons allowing the user to select on/off, °C/°F, max/min and mode functions. Each unit is supplied with a remote sensor and integral PVC lead.

order code	description
224-655	6500 thermo-hygrometer
830-227	protective silicone boot - black
890-111	*UKAS 3-point Certificate
<i>*price when purchased with a new instrument</i>	



specification	temperature	humidity
range	-20 to 70 °C	0 to 100 %rh
resolution	0.1 °C/°F	0.1 %rh
accuracy	±1 °C ±1 digit*	±3 % (20 to 80 %rh)
sensor type	silicone bandgap	capacitance polymer
battery & life	3 x 1.5 volt AAA - 10000 hours	
display	12 mm LCD	
dimensions	25 x 56 x 128 mm	
weight	160 grams	
<i>*accuracy ±1 °C over the range 5 to 45 °C otherwise ±1.7 °C</i>		

Hygro-Thermo

pen-shaped hygrometer

- displays humidity & temperature
- max/min memory function

The pen-shaped Hygro-Thermo incorporates a large, clear LCD that simultaneously displays both humidity and temperature over the range of 20 to 95 %rh and 0 to 49.9 °C.

The instrument is ideal for monitoring the humidity and temperature in a wide range of applications. Unlike many hygrometers that are large and heavy to carry around, this compact instrument is truly pocket-sized and convenient to use.

The Hygro-Thermo incorporates a max/min button which allows the user to display the maximum and minimum humidity and temperature simultaneously.

The unit is housed in a slim, pen-shaped ABS case measuring 20 x 23 x 138 mm and incorporates a pocket clip.

order code	description
810-190	pen-shaped Hygro-Thermo



specification	temperature	humidity
range	0 to 49.9 °C	20 to 95 %rh
resolution	0.1 °C	1 %rh
accuracy	±1 °C	±5 %rh
sensor type	thermistor	capacitance
battery	1.5 volt AAA	
battery life	6000 hours	
display	custom LCD	
dimensions	20 x 23 x 138 mm	
weight	35 grams	

