

# 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
- 2 year guarantee

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.

The thermo-hygrometers incorporate a custom LCD, displaying %rh, °C/°F, dew point indication, max/min and hold. 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 incorporates 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.



specification	temperature	humidity
range - 6000/6002	-20 to 50 °C	0 to 100 %rh
range - 6100/6102	-20 to 70 °C	0 to 100 %rh
resolution	0.1 °C/°F	0.1 %rh
accuracy	±1 °C ±1 digit*	±2 %rh (10 to 90 %rh)
hysteresis	n/a	±1 %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	

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

\*price when purchased with a new instrument

\*accuracy ±0.4 °C over the range 10 to 40 °C otherwise ±1 °C

