

6000 SERIES THERMA-HYGROMETERS

- High accuracy $\pm 2\%rh$ & $\pm 1\text{ }^\circ C$
- Remote or integral $\%rh$ & temperature probe
- Displays max/min humidity or temperature
- Optional backlit display

The 6000 series therma-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 $^\circ C$ (-20 to 50 $^\circ C$ with a fixed probe) with a resolution of 0.1 $^\circ C$.

The therma-hygrometers incorporate a custom LCD, displaying $\%rh$, $^\circ C/^\circ F$, 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 therma-hygrometer off automatically after ten minutes, maximising battery life.

- **6100/6102 therma-hygrometers with remote probe**
These therma-hygrometers utilise an interchangeable probe that incorporates a one-metre lead with a 6-pin Lumberg connector.



- **Optional UKAS Certificate of Calibration**
An optional three-point UKAS Humidity Calibration Certificate is available at a preferential price when purchased with these units.



0601



- **Protective silicone boot (830-227)**
The Therma series is splashproof to IP64 when used in conjunction with this boot. Various colours are available - see page 13 for details



Order code	Description	
224-600	6000 therma-hygrometer	4099638
224-610	6100 therma-hygrometer	4099629
224-602	6002 therma-hygrometer	
224-612	6102 therma-hygrometer	4099630
224-617	6100/6102 spare probe**	
830-227	Protective silicone boot - black	4099556
890-111	*UKAS 3-point Certificate	ZGB-005

6100/6102 are supplied inclusive of probe
*Price when purchased with a new instrument

Specification	Temperature	Humidity
Range - 6000/6002	-20 to 50 $^\circ C$	0 to 100 $\%rh$
Range - 6100/6102	-20 to 70 $^\circ C$	0 to 100 $\%rh$
Resolution	0.1 $^\circ C/^\circ F$	0.1 $\%rh$
Accuracy	$\pm 1\text{ }^\circ C$ ± 1 digit*	$\pm 2\%rh$ (10 to 90 $\%rh$)
Hysteresis	N/A	$\pm 1\%rh$
Sensor type	Silicon 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	130/160 grams	

*Accuracy $\pm 0.4\text{ }^\circ C$ over the range 10 to 40 $^\circ C$ otherwise $\pm 1\text{ }^\circ C$

** Please note this probe will only work with 6100 Instrument with serial numbers later than D20120375, and 6102 Instruments with serial numbers later than D20100842.



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