



Dataloggers

TEMPERATURE & HUMIDITY

rh-t 
bug

This datalogger has been designed specifically for use outdoors to record ambient temperature and humidity levels.

Fitted with a radiation shield, which forms the housing for the combined temperature & humidity sensor, this rh-t datalogger has complete weather protection whilst allowing the free passage of air. It does so by utilising the radiation shield which reduces sensing element measuring error. This is due to temperature rises caused by solar radiation during the day and outward radiation as a result of clear skies at night.

Apart from the more rapid thermal response, the performance of this particular rh-t datalogger is comparable to that of the more traditional Stevenson Screen.

Specification

(Accuracy quoted is combined instrument and sensor)

ISO9001:2000 certified

Dimensions		Temperature	
Overall height including radiation shield	80x120x90mm	Temperature sensor	Precision thermistor
Weight	190mm	Temperature range	-20 to +50 °C
Power supply	410 grams	Temperature accuracy	+/- 0.2 °C
Battery life	3.6 volt AA battery	Humidity	
Memory	2-3 years (depending on use)	Humidity sensor	Capacitive polymer
Record capacity	16K EEPROM	Humidity range	0 to 100 % non condensing
Interface	16368 records	Humidity accuracy	+/- 2 % RH over full range
Wall mounting bracket	RS232 serial interface		
Case material	Stainless steel		
	ABS		