Museum Applications

rh-t bug

hanwell INSTRUMENTS LIMITED

Dataloggers

TEMPERATURE & HUMIDITY

Typical Applications

- Replace thermohygrographs
- Discreet logging in showcases
- Travelling exhibitions
- Monitoring in: galleries
  archives
  museums
  libraries
  storage rooms

Options & Accessories

- Remote probes
- Custom built probes
- Surface probes
- Traceable calibration
- Mounting/security brackets
- Waterproof version-outdoor use
- 3 channel version for investigation of condensation problems

An intensive study of conservators requirements and the many limitations of current dataloggers in the market place has resulted in the development and conception of the rh-t bug. Hanwell have incorporated their wealth of experience in environmental monitoring and the latest components and technology in the creation of a product with a unique combination of hard/software benefits. The result is a specification associated with top of the range instrumentation available in a small and cost effective package. Compare for yourself.

USER CALIBRATION

A major disadvantage with other loggers is the necessity to return the whole unit to the manufacturer for checking and calibration. This costly and time wasting procedure has been eliminated. The rh-t bug has been designed so that the user can check on its performance on a regular basis and calibrate up to and including national standards. Temperature and humidity can be calibrated at up to three points through the software. A humidity reference can be provided by the external connection of industry standard salts, which are simply pushed onto the top of the rh-t bug.

MEMORY

16k of incorruptible EEPROM memory records up to 8184 pairs of humidity and temperature readings. This corresponds to one year's recording time at a logging interval of one hour.

HIGH SPEED COMMUNICATIONS

The rh-t bug provides full specification RS232 comms. at 19200 Baud, while most other products provide only marginal levels at a much lower Baud rate. The impressive result is an entire memory download in less than 15 seconds.

Specification

(Accuracy quoted is combined instrument and sensor) ISO9001:2000 certified

Dimensions	67mm x 67mm x 28mm
Humidity range	0-100% non condensing
Humidity sensor	Capacitive polymer
Temperature range	-25°C to +80°C
Temperature sensor	Precision Thermistor
Logging intervals	Programmable from 4 seconds to 10 hours
Memory	16k EEPROM
Record capacity	16368 records
Battery life	Up to 5 years (depending on use)

Temperature	
Range	-25°C to +80°C
Accuracy	-25 to -5 +/-0.3°C
	-5 to +50 +/-0.2°C
	+50 to +70 +/-0.3°C
	+70 to +80 +/-0.4°C
Humidity	
Range	0 to 100 % non condensing
Accuracy	+/- 2 % over full range