



uv-bug lux-bug

## Data loggers

V I S I B L E L I G H T & U V

### Typical Applications

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

### Options & Accessories

- Remote probes
- Custom built probes
- Extended ranges available
- Reduced ranges available
- Mounting/security brackets
- Fully featured 32 bit software

The uv-bug and the lux-bug are single channel stand-alone data loggers for the measurement and recording of visible light and UV levels. The standard ranges are 0 to 2000 Lux and 10 to 1000  $\mu$ W/Lumen, other ranges are available on request. The sensors are fully cosine corrected and can be mounted either in the front of the unit, as illustrated, or on a remote cable.

### SENSORS

Lux is detected by a photometric diode and UV by a UV-enhanced silicon photodiode fitted with a hard UV filter material which provides a response over the range 250..400nm, with cosine-correction of both Lux and UV.

### MEMORY

The lux-bug and uv-bug loggers have up to twice the memory of other loggers on the market. 16k of incorruptible EEPROM memory

allows up to one year of data logging at the maximum recording interval. Data is stored to 10 bit resolution.

### HIGH SPEED COMMUNICATIONS

Hanlog loggers have full specification RS232 comms. at 19200 Baud. Most other loggers provide only marginal levels at a much lower Baud rate. The result of this is that loggers, such as the lux and uv-bugs, download their entire memory in less than 15 seconds.

### SOFTWARE

Included with the uv-bug and the lux-bug is a fully featured Windows software package. Logged data is swiftly downloaded and can then be filed in a database for later retrieval and analysis. Cumulative Lux and UV calculations are performed automatically.

## Specification

(Accuracy quoted is combined instrument and sensor)

ISO9001:2000 certified

LUXBUG	UVBUG
<b>Dimensions</b> 97mm x 50mm x 6mm	<b>Dimensions</b> 97mm x 50mm x 6mm
<b>Lux sensor</b> Photometric diode detector	<b>UV sensor</b> UV enhanced silicon photodiode
<b>Lux range</b> 0 - 2000 lux (other ranges available)	<b>UV range</b> 10 to 1000 $\mu$ W / m <sup>2</sup>
<b>Colour response</b> Human eye	<b>Cosine correction</b> Yes
<b>Cosine correction</b> Yes	<b>Power source</b> On board 3.6 volt lithium battery
<b>Power source</b> On board 3.6 volt lithium battery	<b>Battery life</b> Up up to 5 years (depending on use)
<b>Battery life</b> Up up to 5 years (depending on use)	<b>Logging intervals</b> 1, 5, 15, 30, 60 minutes
<b>Logging intervals</b> 1, 5, 15, 30, 60 minutes	<b>Memory</b> 16k EEPROM
<b>Memory</b> 16k EEPROM	<b>Record capacity</b> 8184 records
<b>Record capacity</b> 8184 records	