



## **fourtec Declaration of Accuracy**

### *For MicroLite II Temperature/RH Logger: LITE5032P-RH*

The MicroLite II data logger is produced using Surface Mounted Device (SMD) assembling technique. Each product has been through complete quality assurance and calibration testing measures. All Fourtec production procedures are fully ISO 9001 certificated.

The LITE5032P-RH Temperature/RH USB data logger is rated to the following temperature specifications.

Range: -40 to 80 °C; Accuracy  $\pm 0.3$  °C ; Resolution 0.01 °C (across the range)

MicroLite II Temperature/RH data loggers are calibrated for humidity in a Calibration Chamber at 33% and 67% RH according to prescribed ISO9001 procedures and are rated to 2% RH at 23 °C at time of calibration.

#### ***Calibration Chamber Details:***

<b>Inventory No.</b>	<b>Model Description</b>	<b>MFR</b>	<b>Calibration Date</b>
0403423 2500	Humidity Generator	Thunder	19.12.2012

RH Reference Probes are traceable to Thunder Scientific Corporation, USA (Certificate and instrument Serial Numbers can be produced upon request). The humidity standard (the 2500) produces an atmosphere of known humidity based on the *two-pressure* principle.

The accuracy of the Model 2500 was tested using an MBW DP-30 chilled mirror hygrometer to read dew point and then the 'MBW %RH' column was calculated using the "Hart Temp' column and "Mensor Pressure' column.

For further information please contact [support@fourtec.com](mailto:support@fourtec.com)

fourtec – Fourier Technologies.  
Quality Assurance Department



**Manufactured under ISO 9001:2008**

[www.fourtec.com](http://www.fourtec.com)