



## **Fourtec Declaration of Accuracy**

*Applicable for MicroLog EC600 and EC650 Temperature and Humidity Data Loggers*

The MicroLog 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 – Fourier Technologies Ltd. production procedures are fully ISO 9001 certificated.

The MicroLog EC600 and EC650 Temperature and Humidity data loggers are rated to the following temperature specifications.

**Note:** *The resolution information given below is averaged across the entire range.*

(-22) to (-30) range: Accuracy  $\pm 0.6$  °C, resolution 0.4 °C

(-21) to (22) range: Accuracy  $\pm 0.6$  °C , resolution 0.3 °C

(23) to (39) range: Accuracy  $\pm 0.6$  °C, resolution 0.4 °C

(40) to (50) range: Accuracy  $\pm 0.6$  °C , resolution 0.6 °C

fourtec Temperature/Humidity data loggers are calibrated for humidity in the fourtec Calibration Chamber at 33% and 76% rH according to prescribed ISO9002 procedures and are rated to  $\pm 3\%$  RH at 24°C at time of calibration.

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)

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Quality Assurance Department



**Manufactured under ISO 9001:2000**

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