



Fourtec Declaration of Accuracy

Applicable for MicroLogPRO II EC800 and EC850 Data Loggers

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

The MicroLogPRO II data loggers are rated to the following temperature specifications.

EC800 Temperature Logger

-40 to 80 °C range: Temp Accuracy: ± 0.3 °C

Temp Resolution: 0.02 °C or better (across the range)

EC850 Temperature/RH Logger

-40 to 80 °C range: Temp Accuracy: ± 0.3 °C

Temp Resolution: 0.015 °C (across the range)

MicroLogPRO II EC850 data loggers are calibrated for humidity in a Calibration Chamber at 33% and 67% RH according to prescribed ISO 9001 procedures and are rated to $\pm 2\%$ RH at 23 °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

fourtec – Fourier Technologies Ltd.
Quality Assurance Department



Manufactured under ISO 9001:2008

www.fourtec.com