



fourtec Declaration of Accuracy

Applicable for Mini DataNet DNL810 Temperature and Humidity Data Logger

The Mini DataNet 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 Mini DataNet DNL810 Temperature and Humidity data logger is rated to the following temperature specifications.

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

Temperature: Range -20 to 50 °C ; Accuracy ± 0.4 °C ; Resolution 0.04 °C

Relative Humidity: Range 5 to 95% ; Accuracy ± 3 % ; Resolution 0.5%

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

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Quality Assurance Department



Manufactured under ISO 9001:2000

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