



Certificate of Calibration

Certificate Number: XXXXX
Certificate Date: XXXXXXXXX
Customer: XXXXXXXXX

Instrument Under Test: EL-USB-2-LCD-N **Model No** **Instrument Serial Number:** 213386

Test Equipment Used: Espec Climatic Chamber **Test Equipment Serial Number:** ID0896
 Rotronic Hygrowin Thermohygrometer 51971.001
 MOK.01.WIN RS232 Interface 47151.004

The Hygrowin is certified to 'traceable' national standards.
 The Climatic Chamber is used to generate the temperature and humidity source.

Lab Environmental conditions at time of calibration: Temp 20.6°C±1°C/ RH 40% RH ±5% RH

True Reading (°C)	Instrument Measured Value		Error		Uncertainty of Measurement
	Display	Graph	(°C) Display	(°C) Graph	
20.0	20	20.0	0.0	0.0	±0.15°C + D
39.9	40	40.0	0.1	-0.1	±0.15°C + D
RH (%) @ 20°C	RH (%) @ 20°C		RH (%)	RH (%)	
	Display	Graph	Display	Graph	
34.0	37	37.5	-3.0	3.5	±2.6% + D
72.7	70	70.5	2.7	-2.2	±2.6% + D

Temperature cycle and uniformity was conducted at full immersion with readings observed 5 minutes after stabilisation.

The reported expanded uncertainty multiplied by a coverage factor k = 2, providing a level of confidence of approximately 95%.



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Qualification of Standard Used

This is to certify that the stated instrument has been verified and calibrated at the measured values given in the results table on page 1 of this 2 page document using test equipment which itself has been calibrated and certified to the stated standard. The procedures and work instructions used to verify and calibrate the instrument are fully documented.

The errors reported refer to measured values only with no account being taken of the instrument's ability to maintain its calibration.

Signed:

Authorised Signatory

Sean Wigmore