

signatrol

Certificate of Calibration

Logger Type: SL54TH-A
Serial Number: DA000004BFAAE41
Calibration Certificate Number: 33-06F44A7D
Date of Calibration: Thu 12 Sep 2019, 9:12 AM
Sales Order Number: 112536
Customer Purchase Order: CF023002
Lab Ambient Environment: 22.0°C ± 2°C, 45% RH ± 25% RH

Equipment Used:

Description	Reference	Cal Cert	Cal Date	Accuracy	Uncertainty
LEYRO LDT-2000 & PT100	1031401205	158314	05/06/2019	±0.019°C	±0.06°C
MICHELL OPTI-CAL	154675 & 153905	RH00892	08/12/2018	±1.1%RH	±2.1%RH

Temperature Results

Reference (°C)	SL54TH-A (Pre-Cal °C)	Error (Pre-Cal °C)	PASS/FAIL (Pre-Cal)	SL54TH-A (Post-Cal °C)	Error (Post-Cal °C)	PASS/FAIL (Post-Cal)	Allowable Error °C
+49.95	+50.06	+0.11	PASS	+49.97	+0.02	PASS	±0.15
+24.96	+25.00	+0.04	PASS	+24.93	-0.03	PASS	±0.15
+0.30	+0.38	+0.08	PASS	+0.32	+0.02	PASS	±0.15

Humidity Results

Reference (%RH)	SL54TH-A (Pre-Cal %RH)	Error (Pre-Cal %RH)	PASS/FAIL (Pre-Cal)	SL54TH-A (Post-Cal %RH)	Error (Post-Cal %RH)	PASS/FAIL (Post-Cal)	Allowable Error ±%RH
+11.20	+9.45	-1.80	PASS	+11.29	+0.09	PASS	±2.00
+43.70	+42.38	-1.31	PASS	+43.61	-0.09	PASS	±2.00
+75.90	+75.39	-0.51	PASS	+75.99	+0.09	PASS	±2.00

Calibration Data

Channel Type	Gain (Pre-Cal)	Offset (Pre-Cal)	Gain (Post-Cal)	Offset (Post-Cal)
Temperature	0.99980	-0.09	0.99920	-0.15
Humidity	1.05935	-3.00	1.03936	-0.92

Notes

Equipment calibration traceable to N.P.L and UKAS Standards. Recommended Calibration interval of 12 months

Temperature Specification: ±0.1°C ±0.1% Calibrated Span. Humidity Specification: ±2.0 RH.

Temperature resolution set to 0.07°C (11bit), Humidity resolution set to 0.04% (12bit) during calibration.

Device total: 62603 samples.

Sean Rowan

