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MS ISO/IEC 17025
CALIBRATION
SAMM NO. 082

CERTIFICATE OF CALIBRATION

Certificate No : SM18701100 **Page 2 of 2 Pages**

Technical Information

Sensor Type : Infrared
Readability : 0.1/1 °C
Emissivity : 0.95
Calibration Distance : 400 mm

Manufacturer Specification : N/A

Calibration Results :

All Unit In : °C

Accuracy Test

Nominal Value Source Emissivity ≈ 0.95	Correction	
	Before Adjustment	After Adjustment
50	+ 0.4	N/A
100	- 1	N/A
150	- 2	N/A
350	- 4	N/A

Measurement Uncertainty : ± **0.5 °C** (Range -20 to 100°C)
± **0.8 °C** (Range 100 to 200°C)
± **0.9 °C** (Range 200 to 400°C)

Note 1 : User Instrument Reading = Temperature Reading - Correction
Note 2 : To derive Temperature Reading = User Instrument Reading + Correction
Note3 : Interpolation = Reading in between 2 test point may be derive by interpolate and plot a straight line graph where Temperature Reading(x-axis) Vs.Correction(y-axis).
Note 4 : Uncertainty = Parameter, associated with the result of measurement, that characterises the dispersion of the value that reasonably be attributed to the measurand.
Note 5 : If no adjustment was done refer to 'Correction before adjustment'. If adjustment was done refer to 'Correction after adjustment' to derive true value.
Note 6 : N/A = Not Available.