

Certificate Number: 1500000000

Date of Calibration 00 Jan 1900

Standards Used:

Asset	Description	Cal-Date	Due-Date
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Test Description:

At least four hours were allowed for the molbloc simulator to thermally stabilize in the calibration laboratory before commencing calibration. Measurements were performed at the specified resistances listed in the Test Results section of this calibration report with the Fluke Calibration working standard listed in the Standards Used section. The R(0) values, normally used to adjust for changes in platinum resistance thermometers, are adjusted here to provide the nominal temperature defined by the simulator resistance readings using a slope of 0.3896 ohms per °C. When connecting the simulators to a molbox or RFM they should indicate the nominal temperatures shown in the Test Results within $\pm 0.1^\circ\text{C}$.

molbloc simulator Uncertainty Specifications:

$\pm 0.02\Omega$ for the sum of the resistances (equates to 0.05°C as read by a molbox)

Standards Used Uncertainty:

Reference resistance measurements have an uncertainty of $\pm(0.0068\%$ of reading plus 0.013Ω)

Test Results:

Resistance ID	Previous Measured Ω	Measured Value Ω	Measurement Error Ω	New R(0) Value Ω	Expanded Uncertainty Ω	Nominal Temp ($^\circ\text{C}$)	Pass/Fail
R1	99.989	99.986	-0.003	99.986	2.0E-02	0.00	Pass
R2	99.983	99.980	-0.003	99.980	2.0E-02	0.00	Pass