



Calibration
Certificate No. 1750.01

**Calibration complies with ISO 9001
ISO/IEC 17025 AND ANSI/NCSL Z540-1**



Cert. No.: 4481-1988906

Traceable® Certificate of Calibration for IR Therm with Wristband

Instrument Identification:

Model: 36934-176 S/N: 80541317 Manufacturer : Control Company

Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Calibrator 50-500°C	A52364	5/19/09	1000244069
Digital RTD Thermometer	51031204	7/16/09	1000246936
Digital Thermometer	20267165/21030926	9/10/09	4000-1695333
Temperature Calibration Bath TC179	A45240		
Thermistor Module	A27129	8/22/09	1000248949
Temperature Probe	128	10/18/08	A7919076-1

Certificate Information:

Technician: 104 Procedure: CAL-04 Cal Date: 9/24/08 Cal Due: 9/24/10
Test Conditions: 24.0°C 44.0 %RH 1021 mBar

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±uc	TUR
°C		N.A.		25.001	25.3	Y	23.5	26.5	0.250	>4:1
°C		N.A.		50.23	50.1	Y	48.2	52.2	0.28	>4:1
°C		N.A.		150.38	150.1	Y	146.4	154.4	0.39	>4:1

This Instrument was calibrated using Instruments Traceable to National Institute of Standards and Technology.

A Test Uncertainty Ratio of at least 4:1 is maintained unless otherwise stated and is calculated using the expanded measurement uncertainty. Uncertainty evaluation includes the instrument under test and is calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM). The uncertainty represents an expanded uncertainty using a coverage factor k=2 to approximate a 95% confidence level. In tolerance conditions are based on test results falling within specified limits with no reduction by the uncertainty of the measurement. The results contained herein relate only to the item calibrated. This certificate shall not be reproduced except in full, without written approval of Control Company.

Nominal=Standard's Reading; As Left=Instrument's Reading; In Tol=In Tolerance; Min/Max=Acceptance Range; ±uc=Measurement Uncertainty; TUR=Test Uncertainty Ratio; Accuracy= $\pm(\text{Max}-\text{Min})/2$; Date=MM/DD/YY

Wallace Berry
Wallace Berry, Technical Manager

Maintaining Accuracy:

In our opinion once calibrated your IR Therm with Wristband should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. IR Therm with Wristbands change little, if any at all, but can be affected by aging, temperature, shock, and contamination.

Recalibration:

For factory calibration and re-certification traceable to National Institute of Standards and Technology contact Control Company.

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Control Company is an ISO 17025:2005 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01.
Control Company is ISO 9001:2000 Quality Certified by (DNV) Det Norske Veritas, Certificate No. CERT-01805-AQ-HOU.
International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).