

Indiana Standards Laboratory

2919 SHELBY STREET
INDIANAPOLIS, INDIANA 46203-5236

REPORT of CALIBRATION

DATE	: 02/04/13	TEST NUMBER	: 112835
MANUFACTURER	: Otto Wolff	MODEL NUMBER	: 0.0001 Ω , 0.0001, Ω
NOMENCLATURE	: Standard, Resistance	SERIAL NUMBER	: 6539
TOLERANCE	: Refer to data		
		LOCATION	: Primary Lab
SUBMITTED BY	: Indiana Standards Laboratory 2919 Shelby Street Indianapolis, IN 46203 USA	P.O. NUMBER	: ISL
PROCEDURE	: ISL-010-STDRES-02-0712	TEMPERATURE	: 23 °C
CAL INTERVAL	: 12 EOM	HUMIDITY	: 33 %RH
PREVIOUS TEST NO.	: 103957	NEXT CAL DUE	: 02/28/14
		TECHNICIAN	: ALC
RCV'D CONDITION	: In-tolerance		
RETURNED CONDITION	: In-tolerance, no adjustments required.		
COMMENTS	:		

CALIBRATION SOURCE(S) : 116492 120018 117813 117814 122009

UNCERTAINTY: Refer to data

The customer should consider the uncertainty of the measurement in determining compliance.

The reported uncertainty is based on the standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

Uncertainty is not taken into account in pass / fail function checks.

CERTIFICATION

After careful inspection of the above-described instrument, tests were performed in-laboratory to establish calibration accuracy. All equipment utilized in the testing is maintained by this laboratory and checked frequently against standards that have been certified traceable to SI Units through National Institute of Standards and Technology (NIST) or another National Metrology Institute (NMI).

It is hereby certified that the test instrument meets all the original manufacturer's performance specifications unless otherwise noted above. Test documentation is on file and may be viewed in our office. Testing was completed per ISL Quality Manual: Doc-001-Rev15 dated 08-23-12, and ISO/IEC 17025:2005, L-A-B Accredited Certificate Number L-2222.

Richard F. Chance



Chief, Metrology

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CALIBRATION SOURCES

Source	Manufacturer	Nomenclature	Model	Serial	Cal Due
116492	Leeds & Northrup	Standard, Resistance	4020-B	1926415	06/30/13
117813	Omega Engineering, Inc.	Thermistor	TJ36-44004	005251	09/30/13
117814	Omega Engineering, Inc.	Thermistor	TJ36-44004	005252	09/30/13
120018	Guildline	idge, Resistance, Current Comparat	9975	52117	11/30/13
122009	Agilent Technologies, Inc.	Data Logger, Multifunction	34970A	MY41026870	01/31/14

CALIBRATION DATA

See Attached Sheet(s)

*Out-of-tolerance

**Indeterminate

Ø = Fixed Zero

Note: Uncertainty is not taken into account in pass / fail function checks.

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