



Calibration Certificate



Calibration Performed for:

Winland Electronics
 1950 Excel Dr.
 Mankato MN, 56001
 Tech Support
 800.635.4269

Purchase Order #: 1234567
As Found Result: IN TOLERANCE
As Left Result: IN TOLERANCE
Date Cal Performed: 2/22/2017
Date Cal Due: 2/22/2018
Cal. Interval: 12 MONTHS

Instrument Information:

Asset Number: TLS-665
Manufacturer: WINLAND
Description: TEMPERATURE PROBE, -50 TO 70 C
Technician: E LECHNER
Temp./RH: 21 C / 31

Serial Number: TLS-665
Model Number: TEMP-L-S
Procedure #: CP-021
Calibration Performed at: LAB

Comments:

Test Description	Standard	Tol. -	Tol. +	As Found	As Left	Unit	Uncertainty/Unit	Result
Temperature Accuracy	-30.0	-30.5	-29.5	-30.4	-30.4	°C .	0.097 °C	
	-20.0	-20.5	-19.5	-20.2	-20.2	°C .	0.097 °C	
	-15.0	-15.5	-14.5	-15.3	-15.3	°C .	0.097 °C	
	2.0	1.5	2.5	1.7	1.7	°C .	0.097 °C	
	5.0	4.5	5.5	4.7	4.7	°C .	0.097 °C	
	8.0	7.5	8.5	7.7	7.7	°C .	0.097 °C	

Calibration Reference Equipment

Asset #	Description	Last Cal	Next Cal
00009107	MICRO BATH, -30 TO 125 C	6/22/2016	6/22/2017
26090004	SUPER-DAQ PRECISION TEMPERATUR E SCANNER	9/20/2016	9/20/2017
CS-03-035	SPRT PROBE-196 TO 500 C	4/21/2016	4/21/2017

This instrument has been calibrated using standards with accuracies traceable to the National Institute of Standards and Technology (NIST), derived from natural physical constraints, derived from ratio measurements, or compared to consensus standards. Reported Uncertainties and/or "test uncertainty ratios" (TUR's) are expressed as expanded uncertainty values at approximately the 95% confidence level using a coverage factor of K=2. A TUR of 4:1 is routinely observed unless otherwise noted on the Certificate. Statements of compliance, where applicable, are based on test results falling within specified limits with no reduction by the uncertainty of the measurement. Results listed relate only to the items that were tested and/or calibrated. Conformance to the test points and specifications listed is at the single point in time when the data was recorded. Continued conformance to specifications is not guaranteed or warranted after the equipment listed is outside the control of Calibration Solutions, Inc. Test points marked * are not accredited under Calibration Solutions, Inc. A2LA Scope of Accreditation Certificate 1877.01. Calibrations due dates appearing on the Certificate of Calibration and label are determined by the client for administrative purposes and do not imply continued conformance to specification. Calibration Solutions, Inc. meets the relevant quality system requirements of ISO/IEC 17025:2005, ANSI/NCSLI Z540-1-1994, ISO 9001:2008 and ISO 10012-1. This calibration was performed in compliance with CSI Quality Assurance Manual Rev E. This Certificate may not be copied, except in full, without written consent of Calibration Solutions, Inc. The below electronic signature is from a Technician certified competent in the company quality documents for the test(s) performed.

Authorized Signature: E LECHNER

Date: 2/22/2017

W.O.# 011701416