



CERTIFICATE OF NIST TRACEABLE CALIBRATION

Calibration Certificate No: 90275

Customer Information

Customer: Intertek
Address : 8431 Murphy Drive
Middleton WI 53562



Customer PO #: Verbal - Christine Schultze

Calibration Procedure Information

Procedure ID: GTP AIRVEL

Revision #: 7

Revision Date: 10/17/2018

Calibration Standards Information

<u>Graftel ID</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Description</u>	<u>CAL Due</u>
10086	Furness Controls	FC0332	DP Transmitter	5/7/2022
10100	Graftel	n/a	Temperature	10/18/2022
10171	Furness	FC0332-2W	0 - .4" H2O	5/7/2022
10187	Vaisala	PTB210	Barometric Pressure Gauge	12/1/2021
10157	HOBO	UX100-011	RH/Temp logger	10/15/2021
10017	Hart Scientific/Burns	1502A/3925	PRT, Temperature	8/3/2021

Sensor Information

Manufacturer: Lutron Description: Anemometer Method Used: Pitot Tube
 Model #: LM-81AM Rated Accuracy: ± See Attachment Accuracy Specified By: Lutron
 Instrument ID#: 001457 Range: 80 to 5910 fpm Condition: Functional
 Serial #: AB.50584

Comments: Calibration Date: 05/14/2021
Calibration Due: 05/14/2022

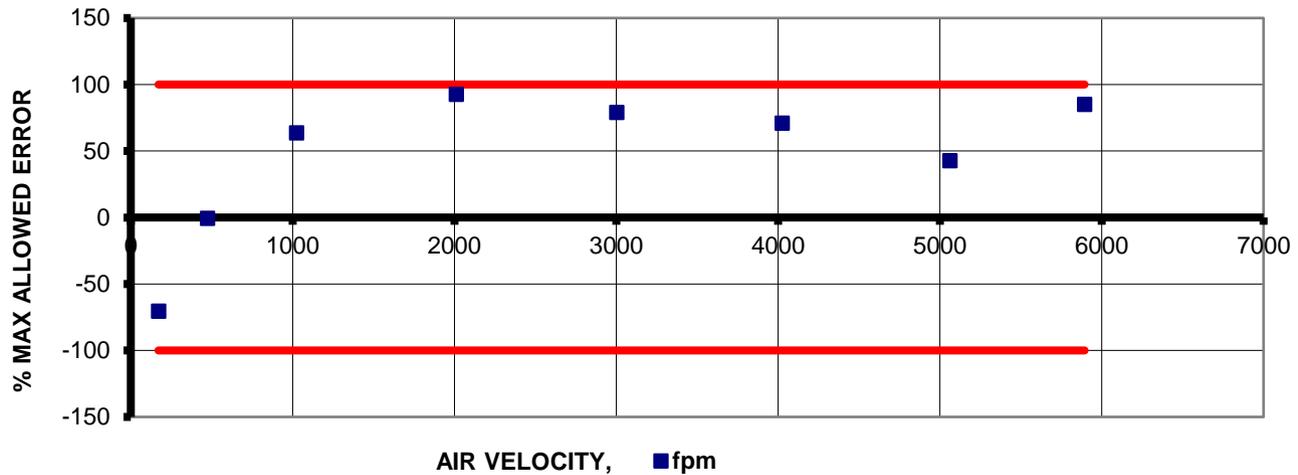
The calibrations within the certificate/report are traceable through NIST or another National Metrology Institute to the International System of Units (SI). The reported calibration uncertainty has a confidence level of 95% (k=2). A calibration uncertainty ratio of 4:1 was maintained unless required uncertainty is supported by analysis. Graftel Quality Assurance System complies with applicable requirements of ISO/IEC-17025-2017, ANSI/NCSL Z540-I-1994 and ISO 9001. All results contained within this certificate relate only to item(s) calibrated. This certificate shall not be reproduced except in full and with the written consent of Graftel. Acceptance Criteria per Simple Acceptance Rule: Measurement Uncertainty is not applied to the measured value when in/out of tolerance statement is made.

Performed By: Kevin Garcia Date: 5/14/2021
Kevin Garcia
Calibration Technician

**ATTACHMENT TO CALIBRATION CERTIFICATE 90275
AS FOUND / AS LEFT DATA
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Reading From Standard,	Lower Limit of Meter Reading,	Measured Reading From Meter,	Upper Limit of Meter Reading,	Error,	Measurement Uncertainty (k=2)	CMC (k=2)	STATUS
Actual Air Velocity							
fpm	fpm	fpm	fpm	fpm	fpm	fpm	STATUS
171	-6	46	348	-125	4	4	Pass
473	296	472	650	-1	8	8	Pass
1025	848	1138	1202	113	15	15	Pass
2011	1834	2175	2188	164	28	28	Pass
3002	2825	3142	3179	140	41	41	Pass
4025	3789	4193	4261	168	54	54	Pass
5062	4826	5163	5298	101	68	68	Pass
5894	5658	6095	6130	201	79	79	Pass

ERROR CHART



Instrument Specifications

Test Fluid:	Air	
Lower Velocity Range:	80	fpm
Upper Velocity Range:	5910	fpm
Velocity Resolution:	1	
Velocity Accuracy:	+/- (3%FS <=3937)(4%FS >3937)	

Laboratory Ambient Conditions

Pressure:	14.46	psia
Humidity:	22.60	%RH
Temperature:	75.90	°F



FLOW - TEMPERATURE - HUMIDITY - PRESSURE - DESIGN - CONSULTING - ENGINEERING

NIST Traceable Calibration Data Sheet

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