



AC100 Volumetric Flow Calibration

Model: AC100H
Serial Number: 1706131023
Cal Date: 6/29/2017
Dish Size: 90mm
LWS Location: 1221 Disk Dr., Medford, OR 97501

The calibration has been accomplished by comparison with standards maintained by LIGHTHOUSE WORLDWIDE SOLUTIONS (LWS). The accuracy and stability of standards maintained by LWS are traceable to the National Institute of Standards and Technology (NIST) or have been derived from acceptable values of natural physical constants.

All work performed is in accordance with Lighthouse Worldwide Solutions Quality Manual P/N 714252800-1. Reproduction of this certificate and accompanying documentation is prohibited without the expressed written permission of Lighthouse Worldwide Solutions.

Calibration Environmental Conditions:		
Barometric Pressure:	968.00	[mb/hPa]
Temperature:	73.0	[°F]
Relative Humidity:	35.0	[%]

TABLE 1

Test Equipment		
Instrument	Serial #	Cal due
DP Meter	4910546	2/1/18
TRH Standard	6022626/155708	12/7/17
Barometer	463768	3/3/18

TABLE 2

This certifies the above named instrument conforms to the original specifications in effect at date of manufacture and test.

Final Test Date: **June 29, 2017**

Calibration Data: Volumetric Flow Rate								
Nominal Flow Setting [Ltr/min]	Reference Differential Pressure [Pa], ΔP Required	PWM Set Point	UUT Integrated ΔP [Pa]	UUT ΔP	UUT Sampled Volumetric Flow Rate [Ltr/min]	Flow Error [%]	Allowable Error [± %]	Pass/Fail
100	96.9	18.2	153	98	100.6	0.57%	4.0	Pass

TABLE 3

Calibration Data: HEPA Filter Test		
.3μm Room Count [particles/ft^3]	Allowable Exhaust Counts [particles/ft^3]	Pass/Fail
200000.0	60.0	Pass

Signature: Connie Milne

Certification Date: June 29, 2017

Quality Assurance: Connie Milne

Next calibration on this instrument is due: June 29, 2018

LIGHTHOUSE WORLDWIDE SOLUTIONS

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