



AC100 Volumetric Flow Calibration

Model: AC100H
Serial Number: 1710131018
Cal Date: 10/25/2017
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.

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| Calibration Environmental Conditions: | | |
|---------------------------------------|--------|----------|
| Barometric Pressure: | 971.00 | [mb/hPa] |
| Temperature: | 72.0 | [°F] |
| Relative Humidity: | 37.0 | [%] |

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.

| 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 | 97.4 | 15.0 | 151.5 | 98 | 100.3 | 0.30% | 4.0 | Pass |

TABLE 3

| Calibration Data: HEPA Filter Test | | |
|------------------------------------|--|-----------|
| .3μm Room Count [particles/ft³] | Allowable Exhaust Counts [particles/ft³] | Pass/Fail |
| 435495.0 | 130.6 | Pass |

Signature: Z. Schultz

Certification Date: October 25, 2017

Calibration tech/engineer Z. Schultz

Next calibration on this instrument is due: October 25, 2018