MT MESSTECHNIK

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CALIBRATION CERTIFICATE

Certificate Number DB568

Revision: 1.05

Model: Lighthouse AC100H

Customer: Cleanroom Technology

Serial Number: 2506131114

Adress: Wiener Neudorf

Inv. No.: ---

Order No.: 2521525

Date of Calibration: 18.11.2025

Next calibration due: 18.11.2026

Calibration Method: Calibration of this instrument has been accomplished by the applicable parameters defined in 862810619-1 AC100 and AC100H Flow Calibration. All work performed is in accordance with Lighthouse Worldwide Solutions and recorded and maintained as such.

Traceability The measurements have been executed using standards for which the traceability to (inter)national standard has been demonstrated.

Uncertainty The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor of k = 2, which provides a confidence level of approximately 95%. The values and test criteria are applied using Simple Acceptance; Shared Risk approach.

Results This certifies the above named instrument conforms to the original specifications in effect at date of manufacture and test.
The unit was not readjusted.

Environmental Conditions	Ambient Temperature	20,8 °C	Relative Humidity	41 %	Barometric Pressure	974 mb

Test Equipment

Standards	Model	Mfg	Serial#	Cal Date	Cal Due
Anemometer	RA-100	LWS	19000065	21.03.2025	21.03.2026
Thermohygrometer	6453	Taceable	210931729	21.03.2025	21.03.2026
Particle Counter	S3100	LWS	230404008	05.06.2025	05.06.2026

CALIBRATION RESULTS AS FOUND

Calibration Data: Volumetric Flow Rate

Nominal Flow	Volumetric Flow	Flow Error	Allowable Flow Error	Uncertainty	Result
100,0 L/min	101,1 L/min	1,1 %	± 4,0 %	2,43 L/min	Pass

Calibration Data: HEPA Filter Test

0.3µm Room Count	Actual Exhaust Counts	Allowable Exhaust Counts	Result
12010 cts./ft³	0 cts./ft³	4 cts./ft³	Pass

CALIBRATION RESULTS AS LEFT

Calibration Data: Volumetric Flow Rate

Nominal Flow	Volumetric Flow	Flow Error	Allowable Flow Error	Uncertainty	Result
100,0 L/min	101,1 L/min	1,1 %	± 4,0 %	2,43 L/min	Pass

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Signature/ date of issue: 18.11.2025 13:07:30 / StepOver e-Signature

Calibration Tech/Engineer: D.Borchard