



C111
C1/2)

Certificate number

83347386.0_LPM

Order number

16500757

CALIBRATION CERTIFICATE (AS FOUND)

Tested as per test procedure "26_204 Adjustment And Calibration Manual MAS-100 Regulus - ISO 17025"

Object **Anemometer** Customer **Cleanroom Control and Sterilization Technology GesmbH**

Manufacturer **MBV AG** Customer location **2512 Oeynhausen / AT**

Type **MAS-100 Regulus** Custom text **Device off**

Measuring range **50...200 L/min** Serial number **18173**

Ambient conditions

Temperature **22.8 °C** Pressure **962.3 mbar**

Remark **NA**

Test standard **Test bench MBV PQ792A with 0.39% best possible measurement uncertainty. For more information see SCS 0154 accreditation certificate.**

Flow L/min	Reference L/min	Examinee L/min	Deviation L/min	Rotation ms	U95 ¹⁾
50	49.3	48.3	-1.0	133.35	± 0.86%
60	59.4	58.6	-0.8	108.63	± 0.50%
70	69.3	68.7	-0.6	91.66	± 0.48%
80	80.0	79.5	-0.5	78.61	± 0.44%
90	89.8	89.4	-0.4	69.42	± 0.47%
100	99.7	99.4	-0.3	62.14	± 0.46%
110	109.6	109.3	-0.3	56.38	± 0.47%
120	119.2	118.9	-0.3	51.77	± 0.42%
130	129.0	128.8	-0.2	47.70	± 0.45%
140	138.9	138.8	-0.1	44.17	± 0.45%
150	148.7	148.6	-0.1	41.14	± 0.45%
160	158.6	158.5	-0.1	38.49	± 0.42%
170	168.3	168.3	0.0	36.14	± 0.44%
180	178.1	178.1	0.0	34.08	± 0.45%
190	187.9	187.8	-0.1	32.24	± 0.45%
200	197.3	197.3	0.0	30.64	± 0.41%

¹⁾ The reported expanded uncertainty of measurement is stated as the standard uncertainty of the measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95%. The measurement uncertainty includes uncertainty contributions from the normal used, the calibration process, the environmental conditions and the device under test. The long-term drift is not included.

This calibration certificate documents the traceability to national standards for the representation of the physical units (SI).

Date of as found measurement

01. Jun 2022

Place and print date

Stäfa, 01. Jun 2022

Examiner

S. Karakoc

Calibration manager

C. Habegger

The content of this certificate may only be used or distributed in its complete form. The stated results refer exclusively to the aforementioned measuring devices.

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C111
C2/2)

Certificate number

83347386.0_LPM

Order number

16500757

CALIBRATION CERTIFICATE (AS LEFT)

Tested as per test procedure "26_204 Adjustment And Calibration Manual MAS-100 Regulus - ISO 17025"

Object **Anemometer** Customer Cleanroom Control and Sterilization Technology GesmbH

Manufacturer **MBV AG** Customer location 2512 Oeynhausen / AT

Type **MAS-100 Regulus** Custom text Device off

Measuring range **50...200 L/min** Serial number 18173

Ambient conditions

Temperature **22.5 °C** Pressure 964.0 mbar

Remark NA

Test standard Test bench MBV PQ792A with 0.39% best possible measurement uncertainty.
For more information see SCS 0154 accreditation certificate.

Flow L/min	Reference L/min	Examinee L/min	Deviation L/min	Rotation ms	U95 ¹⁾
50	49.3	49.3	0.0	129.73	± 0.50%
60	59.3	59.3	0.0	106.64	± 0.48%
70	69.1	69.2	0.1	90.70	± 0.47%
80	79.8	79.8	0.0	78.05	± 0.43%
90	89.7	89.7	0.0	69.06	± 0.46%
100	99.6	99.6	0.0	61.95	± 0.45%
110	109.4	109.5	0.1	56.25	± 0.46%
120	119.0	119.0	0.0	51.73	± 0.41%
130	128.9	128.9	0.0	47.73	± 0.44%
140	138.7	138.8	0.1	44.26	± 0.44%
150	148.5	148.5	0.0	41.25	± 0.45%
160	158.4	158.4	0.0	38.60	± 0.42%
170	168.2	168.2	0.0	36.24	± 0.44%
180	178.0	178.0	0.0	34.18	± 0.45%
190	187.8	187.8	0.0	32.32	± 0.46%
200	197.2	197.1	-0.1	30.73	± 0.41%

¹⁾ The reported expanded uncertainty of measurement is stated as the standard uncertainty of the measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95%. The measurement uncertainty includes uncertainty contributions from the normal used, the calibration process, the environmental conditions and the device under test. The long-term drift is not included.

This calibration certificate documents the traceability to national standards for the representation of the physical units (SI).

Date of as left measurement

02. Jun 2022

Place and print date

Stäfa, 02. Jun 2022

Examiner

S. Karakoc

Calibration manager

C. Habegger

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