



AIR. NOTHING ELSE.

# PRECISION IN YOUR HANDS.

MAS-100 Regulus: Digital anemometer  
for air flow calibration of MAS-100 air samplers.



# READY TO CALIBRATE YOUR MICROBIAL AIR SAMPLER?

MAS-100 air samplers are engineered and manufactured to the most exacting standards. Air flow influences the collection efficiency of your microbial air sampler, as it defines the impaction velocity of the airborne particles into the agar surface. Regular verification of the air flow assures compliant operation of your air sampler.

The MAS-100 Regulus® digital anemometer enables you to calibrate and adjust the air flow of most MAS-100 instruments. It displays exact values for volumetric air flow or standard liters per minute (SLPM) compensated for ambient temperature and pressure. It is the most important tool for certified service providers of MAS-100 air samplers and is used worldwide by customers who want to calibrate their instruments on their own.

## DESIGNED TO LAST

MAS-100 air samplers are used worldwide under the most diverse conditions which is why the calibration device has been engineered for intensive use. The instrument is specified for hundreds of calibrations, manufactured from robust anodized aluminium and protected by a sturdy case for transportation.



## THE MAS-100 REGULUS IS COMPATIBLE WITH THESE AIR SAMPLERS

- MAS-100®
- MAS-100 NT®
- MAS-100 NT EX®
- MAS-100 VF®
- MAS-100 Eco®
- MAS-100 Iso NT®
- MAS-100 Iso MH®

The MAS-100 Regulus is future proof and will be compatible with suitable upcoming microbial air samplers of MBV.





# IT'S THAT EASY

MAS-100 microbial air samplers are known for their ease of use. The MAS-100 Regulus fits well into the product line with its user-friendly operation. Compatible with most current air samplers, automatic calibration and adjustment is supported by the browser-based sampler firmware or the PC-based Communication & Calibration (C&C) software. The anemometer air flow is recorded and automatically compared to the air sampler's specification. If necessary, the sampler air flow is adjusted. At the end of the process, the software generates printable 'as found' and 'as left' calibration certificates.



## TECHNICAL SPECIFICATIONS

- Air flow according to calibration range  
50 - 300 L/min or 90 - 110 L/min
- Air flow accuracy from 50 to 200 L/min  
 $\pm 1$  L/min, above 200 up to 300 L/min  
 $\pm 1.5$  L/min
- Temperature accuracy  $\pm 0.4$  °C (res. 0.1 °C)
- Pressure accuracy  $\pm 5$  mbar  
(res. 0.1 mbar)
- Dimensions diameter 11 cm, height 11.5 cm,  
weight 1.2 kg
- Altitude 0 - 3000 m above sea level
- Operating temperature +15 °C to +30 °C
- Battery 9 VDC (6LR61)



## FOR YOUR EASE OF MIND

- Independent automatic calibration and  
adjustment of most MAS-100 air samplers
- E-ink display assures good display  
legibility even in poor lighting conditions
- Acceleration sensor warns of impacts
- Impeller self-check test warns of a  
damaged ball bearing
- Calibration certificate issued by MBV's  
own ISO 17025 accredited laboratory



LEARN MORE ABOUT THE MAS-100 REGULUS  
ON OUR WEBSITE [WWW.MBV.CH/REGULUS](http://WWW.MBV.CH/REGULUS)  
OR ON OUR YOUTUBE CHANNEL

## IN THE BOX

- MAS-100 Regulus
- Calibration cables
- 10 m extension cable for MAS-100 Iso air samplers
- Calibration certificates issued by MBV's own  
ISO 17025 accredited calibration laboratory
- USB stick with safety data sheet and all manuals
- Disc to calibrate air samplers equipped with  
EasyClean bases (MAS-100 VF and MAS-100 Iso)



# SERVICE

## CERTIFIED IN OUR OWN ISO 17025 ACCREDITED CALIBRATION LABORATORY

Each MAS-100 Regulus is calibrated in our service center, which is accredited by the Swiss Accreditation Service (SAS) according to ISO 17025, and delivered with a calibration certificate. This provides full traceability and documentation of the air volume measured by the microbial air sampler and assures that your measurements are within specifications.



## YOUR SERVICE CONTACT

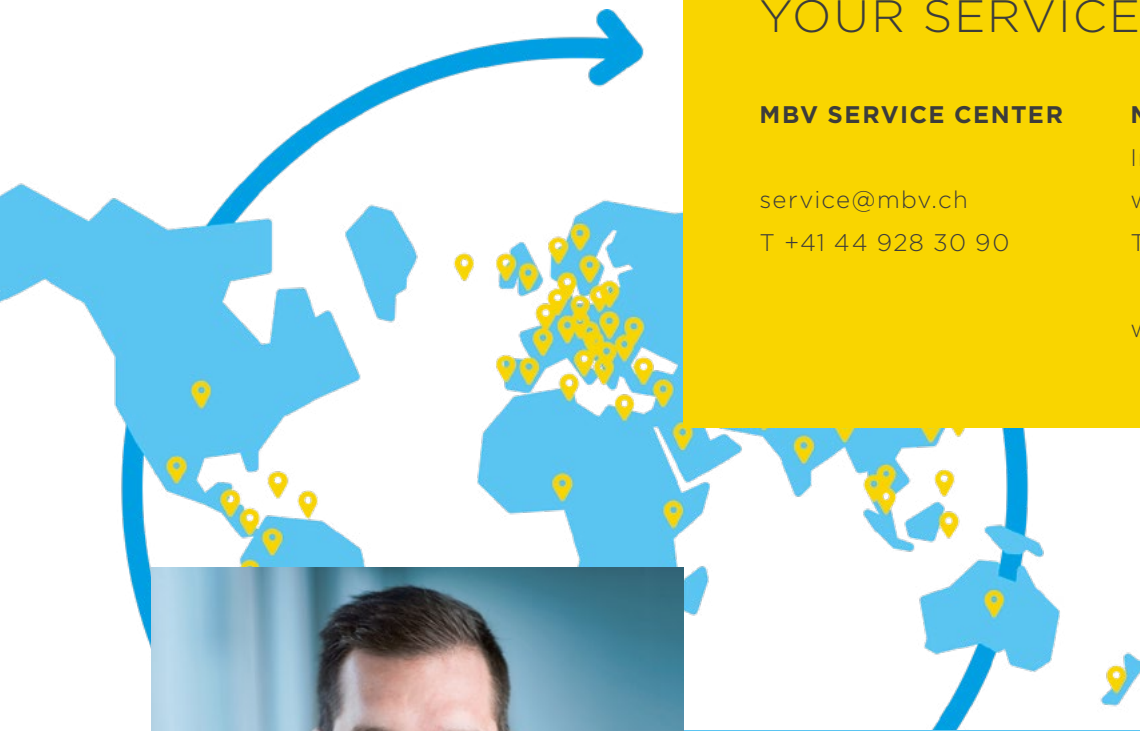
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ANY QUESTIONS?  
PLEASE CONTACT US.  
WE ARE READY TO HELP.

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