

CALIBRATION / VALIDATION

The flow rate of any air sampler should be periodically checked to evaluate that the volume of aspirated air is consistent.

There are two types of check to adopt:

- an "on site" monthly or quarterly quality control check to confirm continued performance and identify any irregularity, possibly caused by damage
- bi-annual or annual "official" calibration to re-validate the sampling rate and satisfy regulatory bodies that the instrument is operating correctly.

The "on site" Quality Control monitoring of the SAS (Surface Air System) Family of air samplers:



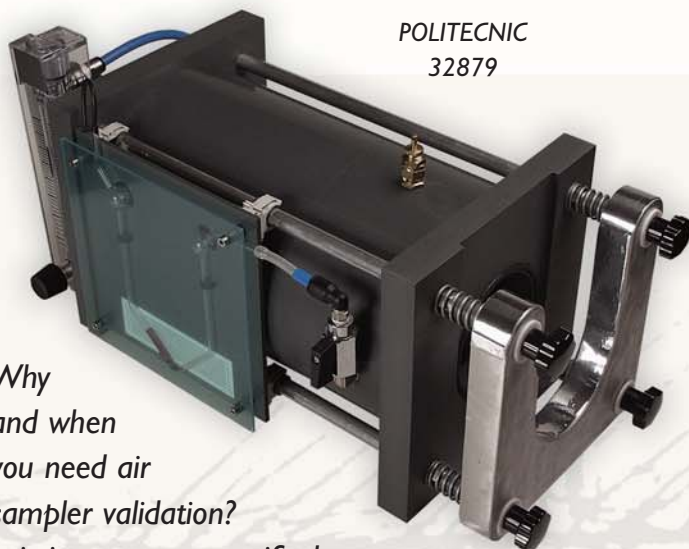
Impeller anemometer with LCD display for the routine evaluation of "SAS (Surface Air System)" air sampler performance

- Shows the air flow of any "SAS (Surface Air System)" microbiological air samplers
- Readings in either litres per minute (L/min) or cubic feet per minute (CFM)

- Just position it on top of the aspirating head of the air sampler and switch on
- Measuring time 30 seconds
- According to Good Laboratory Practice and Good Manufacturing Practice
- Standard Operating Procedure
- Include carrying case



The official calibration of the SAS (Surface Air System) family of air samplers:



Why and when you need air sampler validation?

It is important to verify that the volume of air you are sampling with your air sampler is correct to avoid errors in monitoring the contamination of an environment. Validation is an important step to assure that the final calculation is based on an accurately sampled volume of air. Validation of the aspirated volume should be performed every 6 months or 12 months. Re-validation is also recommended if the air sampler has potentially been damaged or the flow rate has been compromised.

SERVICING

International PBI guarantees a comprehensive calibration and service program in its Milan (Italy) premises or through local authorized distributors.

