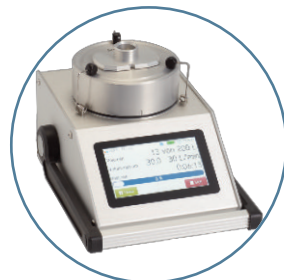


The **PS 30** particle sampler detect the overall spore total (cultivable and non-cultivable) in the air. The evaluation is possible without cultivation time using a light optical microscope

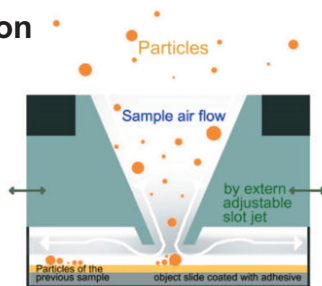


The particle sampling head **PS 30** are operated with the convenient **MBASS30** system, here on the **Duo Sta** and the **Carbon fibre tripod**

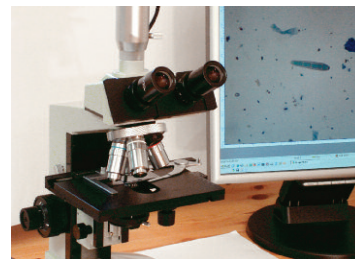


The particle sampling head **PS 30** with base unit with hose connection, can be operated also with the separate diaphragm pump **MP2/39**

Function



The sample air is sucked in from outside through an external slot jet, which can be adjusted to three different positions. The considerably increased flow velocity at the jet outlet means the particles in the sample air are accelerated towards the collecting layer of the slide to which they remain adhered.



Directly after the sampling, the loaded slide can be stained and evaluated using a light optical microscope.

Characteristic spores and other particles are qualitatively determinable. Clusters and chains of spores are also detected. Quantification is possible.

performance specifications of the PS 30

- **No cultivation time** - evaluation possible immediately after sampling
- Detection even of non-germinable spores and particles
- The hose connection at the sampling intake allows sampling of hollow spaces
- Up to 3 samplings on a single slide through adjustable slot nozzles
- No temperature and time restrictions for sample transport
- The methods conform to the ISO 16000-20

Technical Data

	Particle sampling head PS 30	Particle sampling head PS 30 with base unit with hose connection
Air flow	30 l/min	
Cut off value ($d_{ae 50}$)	1.8 μm	
Dimensions of slot jet	1.1 mm x 16 mm	
Sample media	adhesive coated slide 76 mm x 26 mm x 1 mm	
Sample air nozzle	extendable with hose (1 inch)	
Dimensions (L x B x H)	110 mm x 110 mm x 60 mm	125 mm x 142 mm x 90 mm
Weight	600 g	1170 g
Pump connection	-	Nozzle for 8 mm hose
Tripod socket	-	UNC 1/4 inch (photo) and UNC 3/8 inch (microphone)
Article No.	01-155E	01-150E
Note	Subject to technical modifications	

