



Respiratory Aerosol Meter – Fastest detection of particles in breathing air in the size range of viruses like Covid-19 Identification of potentially infectious persons (superspreaders) by fast and easy measurement of solid particle content in the exhaled air

Benefits

- So-called "superemitters" can be identified in 30s thanks to a high number of particles
- Fast differentiation between infectious and less infectious Covid-19 carriers
- Measurement of the aerosol concentration and aerosol size in exhaled air
- Detection of particles from 145 nm to 10 μm
- Highest resolution, especially in the virus size range from approx. 145 nm to 1 μm
- Immediate evaluation and documentation of the measurement result

Applications

Detection of potential superemitters (Covid-19, flu virus)

- in industry, e.g. meat processing, automotive, chemistry
- in airports, train stations, public buildings
- at events such as trade fairs and seminars
- in hospitals and nursing homes

<https://www.palas.de/product/respaermeter>

Resp-Aer-Meter



Datasheet

<i>Parameter</i>	<i>Description</i>
Measurement range (size)	0.145 -10 μm
Measuring principle	Optical light-scattering
Measurement range (number C_N)	0 - 20,000 particles/cm ³
Volume flow	9.5 l/min
Data acquisition	Digital, 20 MHz processor, 256 raw data channels
Power consumption	Approx. 200 W
User interface	Touchscreen, 800 • 480 pixel, 7" (17.78 cm)

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