



PROTECTIVE MASK TEST SYSTEM

Reliable | Quick | Affordable.

Made in Germany.

How could **Mas-Q-Check** help you right now?

We are a leading developer and manufacturer of high-precision instruments for the generation, measurement and characterization of particles in air.

Application example: Hospitals, retirement homes, larger companies

Due to the shortage in supply, many organisations have to order **respiratory face masks from unknown production sources**. These masks have one single purpose – they have to keep their staff safe.

Mas-Q-Check allows you to carry out spot checks of incoming deliveries to ensure that the goods are of the agreed quality standard.

Application example: New producers of respiratory face masks

Many great companies have retooled and started production of respiratory face masks. Our device allows you to check your ongoing production to ensure that quality standards are being adhered to. This will guarantee you a clean supply chain management with your end customers.

Application examples



HOSPITALS & RETIREMENT HOMES



PROTECTIVE MASK MANUFACTURERS



COMPANIES



TESTING INSTITUTES



INDUSTRY



GOVERNMENT & CUSTOMS

How does it work?

Is it easy to use?

Our proven technology allows us to count particles of very small sizes. The device can **detect and measure in the size range of viruses and bacteria**. The actual test machine simulates the air volume flow corresponding to the human breath (according to defined EN standards).

The result takes no longer than one minute and the easy handling of the device allows you to operate without an instruction.

You can choose between:

- Mas-Q-Check Basic with an air flow of 10 l/min
- Mas-Q-Check Professional with an air flow of 95 l/min: Detection of filtration efficiency in a size range of 145 nm up to 10 µm; ideally suited to test the degree of protection as a combination of leakage and penetration
- Mas-Q-Box: Including aerosol generation to evaluate filtration efficiency of community masks based on CWA 17553





or other applications

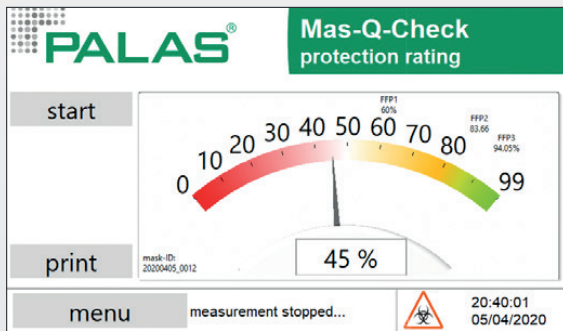


Palas® Mas-Q-Check



Result

⌚ within 1 min



Why is it so effective?

There are only very few officially certified companies to test respiratory masks.

Inevitably, this creates a large backlog, you may have to wait quite some time for the test results of your masks and with each testing cycle, you would incur additional costs.

Our testing system works perfectly to compliment these institutions.

You can easily check your production lots against these set standards which gives you:

- **Flexibility**
- **Speed of testing**
- **Safety**

Pricing model and availability

Our intention is to make this device available to everyone, and therefore we can also offer a rental option. Time is of the essence and we can supply from stock but please contact us for an accurate delivery time.

Technical features

Measuring principle	Single particle optical light scattering with evaluation of signal duration and shape, advanced mass conversion algorithm
Measuring range (size)	0.14 – 10 µm
Measuring range (number CN)	0 – 20,000 particles/cm ³
Volume flow (clean air)	9.5 l/min (Basic Version) 95 l/min (Professional Version)
Data acquisition	Digital, 20 MHz processor, 256 raw data channels
Power consumption	Approx. 200 W
User Interface	Touch screen, 800 • 480 Pixel, 7"
Reported Data	Protection class filter mask

go green
to breathe clean.



Palas® is a leading developer and manufacturer of highprecision instruments for the generation, measurement and characterization of particles in air.

With more than 30 active patents, Palas® develops technologically leading and certified fine dust and nanoparticle analyzers, aerosol spectrometers, generators and sensors as well as related systems and software solutions. Palas® was founded in 1983 and employs more than 70 people.

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