Mas-Q-Check

Palas® developed the Mas-Q-Check to subject protective masks to a quick, simple, and meaningful test before use. A particle-counting measurement device is used to detect efficiencies in the size range of viruses and bacteria. The system can also be used for training, as it immediately shows the efficiency of protective masks.

Two versions are available:

- Mas-Q-Check Basic with a volume flow of 9.5 l/min
- Mas-Q-Check Professional with a volume flow of 95 l/min (pictured)

Benefits

- Self-explanatory operation
- Quick easy and exact measurement of the degree of protection of masks on site
- Quality control of masks in daily use
- Reral evaluation of the degree of protection from filtration efficiency and leakage combined.
- Highly resolved measurement result in the range of 140 nm up to 1 μm
- Fully automated test
- Evaluation of the degree of protection in comparison to the FFP class, optional display with regard to particle size
- Clear distinction of protection degree in the size range of viruses and bacteria and above

Applications

- Confirmation of the degree of protection of masks
- Confirmation of the protection of employees working in medical environment
- Training to show the correct use of masks with direct measurement of the degree of protection
- Evaluation of the real degree of protection in comparison of the FFP Class

DATASHEET

Measuring principle	Optical light-scattering
Reported data	Protection class filter mask
Measurement range (number C_N)	0 – 20,000 particles/cm^3
Measurement range (size)	0.14 – 10 μm
Volume flow (clean air)	9.5 l/min, 95 l/min
User interface	Touchscreen, 800 • 480 pixel, 7″ (17.78 cm)
Data acquisition	Digital, 20 MHz processor, 256 raw data channels
Power consumption	Approx. 200 W

NORMS AND CERTIFICATES

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