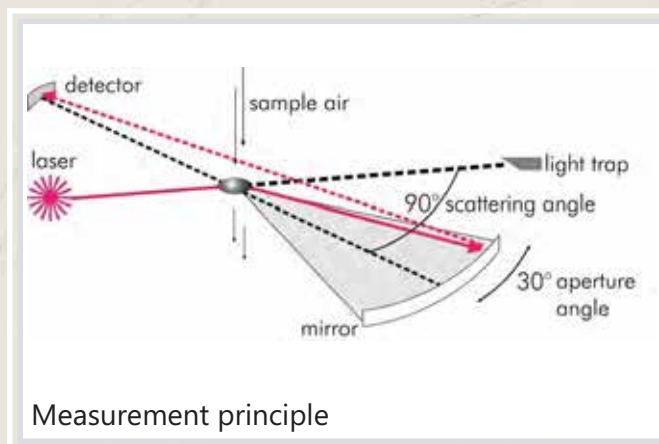


## Specification

Principle: 90° light scattering and filter-sampling (Dual-Technology)  
 Particle concentration: 1 to 3,000,000 particles/litre  
 Dust mass: 0.1 to 100,000  $\mu\text{g}/\text{m}^3$   
 Reproducibility: 5 % for whole range  
 Light source: Diode-Laser ( $\lambda = 683 \text{ nm}$ ,  $P_{\text{max}} = 40 \text{ mW}$ )  
 Measuring range: 0.25  $\mu\text{m}$  to 32  $\mu\text{m}$  in 31 size channels

Volume flow: 1.2 litre/minute, volume controlled  
 Sampling time: 6 sec (normal), 1, 2, 3 sec (fast mode)  
 Data storage: intern 80 KByte, with storage card 4 MByte  
 Storage interval: 1 min to 1h selectable  
 Interface: RS-232 Interface  
 Power supply: 110...230 VAC, 50-60Hz,  
 Battery: 12 VDC (6-8h)

Temperature range: 0 to +40 °C (32 to 104 °F)  
 Humidity range: relative humidity < 95 % (non condensing)  
 Dimensions (LxWxH): 24 x 13 x 7 cm  
 Weight: 2.4 kg (5.3 lb)



## LabView® Software 1.178

With the new **software 1.178** GRIMM programmed an excellent, user-friendly application software based on LabView®, which is compatible to all 32-/64-bit Windows operating systems from XP and up.

Data is displayed numerically or graphically as follows:

- Mass fraction in all channels as  $\mu\text{g}/\text{m}^3$  **and at the same time the occupational health data in  $\mu\text{g}/\text{m}^3$  (in conformity with EN 481)**
- Particle count concentration in all channels as particle/litre
- Presentation of immission as PM10, PM2.5, PM1 (not mass specific)

In addition to that, values of external climate sensors and service data of GRIMM devices can be displayed. The presentation and output of the measurement data happens in real-time (6 second intervals) and is therefore suitable not only for data recording and data evaluation, but also for data presentation.

