



The fine dust measurement device Fidas® Frog allows for a fast, reliable, and quality-assured determination of fine dust, e.g., monitoring within the scope of Health, Safety, and Environment (HSE) management at workplaces (exposure assessment) or in the range of indoor air quality measurements (e.g., for offices, public buildings such as schools, passenger compartments...).

It simultaneously measures the environmentally relevant mass fractions PM_1 , $PM_{2.5}$, PM_4 , PM_{10} , and TSP, as well as the particle number and the particle size distribution within the particle size range of $0.18 - 93 \mu m$. By providing fine dust values with high time resolution, the operator receives comprehensive information for evaluation and assessment of the fine dust pollution for the investigated application.

The very compact and light design as a portable hand-held monitor with either battery ...

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BENEFITS

- Continuous and simultaneous real-time measurement of PM_1 , $PM_{2.5}$, PM_{10} and TSP-values
- Additional particle number concentration and particle size distribution
- Wide measuring range: $0.18 - 93 \mu m$
- Adjustable time resolution from 1 s
- Direct comparison of different measurements
- Configuration of limit values possible
- High quality of measuring data through implementation of the sensor / evaluation algorithm of EN-certified Fidas® 200
- Additional expanded range of applications by possible separation of the measuring device and the Tablet-PC for control (communication via WLAN)
- Ergonomic design and low weight
- Intuitive and simple operation
- Integrated camera for documentation of the measurement
- Export function for measured data
- Possibility to generate a measurement report as pdf in Fidas® Frog
- Remote monitoring and control via network integration easily possible
- PDAnalyze Fidas® software for individual analysis of your measurement data on an external PC

APPLICATIONS

- Fine dust monitoring at alternating locations or in movement
- Air quality monitoring indoors, at the workplace, or inside vehicles
- Use as an aerosol spectrometer in setups where space is limited

DATASHEET
