



# ECOMESURE

In order to get inform about ECOMESURE's new product, please discover our monthly newsletter. This month, we present you two mains products.

PALAS devices, from PALAS company are both real time dust monitor.

The ECOMESURE team is at your disposal for any questions

## FIDAS® 100 REAL-TIME DUST MONITOR



The Fidas® 100 uses the recognized measurement technology of optical light scattering and is equipped with a white LED light source with highly stable output and long lifetime. Tested and certified by the TÜV, this device provide continuous and simultaneous measurements of PM1, PM2.5, respirable fractions (PM4), thoracic fractions (PM10), inhalable fractions (TSP), the particle number, and (upon request) the particle size distribution in 32 size classes per decade within the particle size range of 0.18 - 18 µm.

### Applications:

- Indoor air quality studies
- Workplace exposure measurements
- Exhaust air monitoring
- Emission source classification

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## FIDAS® MOBILE PORTABLE REAL-TIME DUST MONITOR FOR EMISSION AND WORKPLACE EXPOSURE MEASUREMENTS

The Fidas® mobile is designed to be a portable, hand-held, battery-operated device that can also be plugged into the power supply It simultaneously measures PM1, PM2.5, PM4, PM10, and TSP environmental mass fractions or respirable, thoracic, and inhalable mass fractions as per DIN EN 481. In addition, it measures the particle number and particle size distribution (upon request) in up to 64 size classes within the particle size range of 0.18 - 18 µm or 0.4 - 40 µm. The time resolution can be adjusted from one second to hourly or daily mean values for continuous measurements.

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Attached you will find the product datasheets. For further information, the ECOMESURE team is at your disposal.

