

# ABAKUS® MOBIL AIR

Particle counter for air and gases



Particle measuring systems for liquids, air, gases, oils and particle sizes.



#### Agence Sud :

Hôtel d'Entreprises de La Croix Rouge - Lot A4

10 Av de la Croix Rouge - 84000 Avignon

Tél : 04.90.27.17.95 Fax : 04.90.27.17.52

#### Agence Nord :

Plug N'Work - Campus Effiscience

2 Rue Jean Perrin - Bât D

14460 Colombelles

Tél: 02.31.34.50.74 Fax: 02.31.34.55.17

[www.deltalabo.fr](http://www.deltalabo.fr)

## ABAKUS® MOBIL AIR

Particle counter for air and gases

The particle counter Abakus® mobil air is an evaluation system for the measurement of number and size of particles in air and in gaseous types of media. The measuring system is suitable for stationary as well as mobile applications. The variable equipment using four different particle sensors (LDS 228, LDS 328, LDS 328s or LDS 528) enables the particle counter to cover the measuring range from 0.2 µm to 50 µm, with the sensor LDS 2/2 5 µm to 500 µm, and is therefore suitable for a wide range of measuring tasks. The easy to use menu navigation ensures efficient working right from the outset. During the measurement the LCD display provides an overview of 16 particle size channels, date, time and the number of the current measurement. The measuring results are displayed in tabular form. At the end of a measurement the data as well as limit values and sample identification can be printed out on a thermo printer. The software "Log and Show" allows further processing of the measured results on the PC in various programs (MS-Excel, Lotus 1-2-3 etc). Direct measuring and filing is also possible via the software. The auto-calibration function of the particle counter allows simple testing and recalibration of the system.

The particle counter Abakus® mobil air is available in two versions:

- mains-operated version 230V/AC
- version with rechargeable battery 24V/DC / power supply

### Areas of application:

The monitoring and testing of cleanrooms, clean workbenches, isolators, filter facilities in surgery rooms, compressed air, filling stations in the pharmaceutical industry, efficiency testing filters, measuring cleanliness of surfaces, etc.

## Accessories



24 V/DC battery



hand start/stop

## Technical details

### ABAKUS® MOBIL AIR

(Ama 5 28 / Ama 3 28 / Ama 2 28)

#### •Method:

light scattering 90°

#### •Particle size channel:

sizes freely selectable e.g. in the range  
0.5-20 µm / 0.3-10 µm / 0.2-5 µm max.  
16 channels

#### •Volume flow:

28.3 l/min. / optional 2.8 l/min., with  
flush air, controlled electronically

#### •Data contents:

date, time, measuring volume, particle  
number, cleanroom class

#### •Value readout:

display, built-in printer, PC software  
LAS 3.1, RS232, threshold overstepping

#### •Value memory:

2,400 records / + CF card

#### •Supply unit:

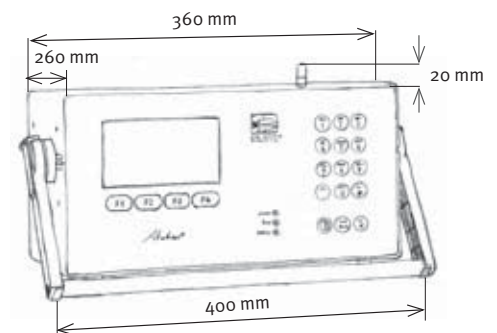
230 V/AC / battery 24 V/DC

#### •Dimensions (h x w x d)/ weight/material:

Ama LDS 328 battery  
200 x 360 x 190 mm  
7 kg aluminum

Ama LDS 228 / Ama LDS 328 /  
Ama LDS 528

200 x 360 x 260 mm  
10 kg aluminum / 13 kg stainless steel



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