



## DESCRIPTION

The new P-DAP 2000 system for emission measurement is equipped with a highly resolving aerosol photometer for a large measurement range of mass concentration which is especially developed for the operation in monitoring applications .

The P-DAP 2000 is equipped with a photometer mode, which enables the operator to perform distinct measurements concerning mass concentration especially at very low particle concentrations independent from particle size distribution.

The heart of this high resolution aerosol photometer is the new LED technology with extra long life time at highest stability in particle measurement. The advantages of a white light source with 90° light scattering in concentration measurements was implemented with LED technology.

The sensor is connected via light wave conductor with the control unit and can so be installed in a flexible way at the aerosol measurement site.

The P-DAP system is additionally equipped with a sample lance for the exhaust fumes and a supply unit for dilution air.

## BENEFITS

- Self-explanatory operation
- Photometer mode for particle measurement
- Flexible sensor installation independant from position of control unit
- Quick and highly resolved measurement
- Long lifetime on lamp due to new LED-Technology

## DATASHEET

Measuring principle	Optical light scattering of single particles
Size channels	64 (32/decade)
Volume flow	5 l/min
Data acquisition	Digital, 20 MHz processor, 256 raw data channels
Light source	LED
Power consumption	Normal operation: 60 W, max. 200 W
User interface	Touchscreen, 800 • 480 pixel, 7" (17.78 cm)
Weight	Control unit: 8.2 kg, sensor: 3.2 kg
Operating system	Windows embedded
Data logger storage	4 GB Compact Flash
Installation conditions	+5 – +40 °C
Interfaces	USB, Ethernet (LAN), RS-232
Power supply	115 – 230 V, 50/60 Hz
Pressure	-100 – 50 mbar
Dimensions	Control unit: 184 • 483 • 313 mm (H • W • D), sensor: 185 • 125 • 305 mm (H • W • D)

## APPLICATIONS

- Process monitoring of mass concentration in gases, especially in emission measurements



Mehr Informationen:  
<https://www.palاس.de/product/P-DAP2000>