

PROMO[®] LED 2000



The new light-scattering aerosol spectrometer Promo[®] LED 2000 can be equipped with different sensors for particle size analysis and concentration determination from 0.145 to 100 μm can be fitted with different sensors. The heart of the optical sensors is the new LED technology with an extra-long lifetime at the highest stability in particle sizing and counting applications.

BENEFITS

- Self-explanatory operation
- Quick and highly resolved measurement of particle size distribution
- Long lifetime on lamp due to new LED-Technology
- Large measurement range from 0.145 up to 100 μm
- Photometer mode for measurements according to DIN EN 13274-7

APPLICATIONS

- Process monitoring of particle size and concentration
- Measurement of penetration of face masks
- Measurement of fractional efficiency of particle size

DATASHEET

Measurement range (number C_N)	$< 1 \cdot 10^6$ Partikel/cm ³
Size channels	Max. 64 (32/decade)
Measurement range (size)	0.145 – 100 μ m
Measuring principle	Optische Lichtstreuung mit integrierendem Photometer
Volume flow	5 l/min
Data acquisition	Digital, 20 MHz processor, 256 raw data channels
Light source	LED
Power consumption	Approx. 200 W
User interface	Touchscreen, 800 • 480 pixel, 7" (17.78 cm)
Support options	Direkter Fernzugriff, Palas [®] Webserver-Service
Weight	Control unit: approx. 8.2 kg, sensor: approx. 3.2 kg
Operating system	Windows embedded
Data logger storage	4 GB Compact Flash
Software	PDAnalyze
Installation conditions	+5 – +40 °C (control unit)



Further information:
<https://www.palas.de/product/promoled2000>