

Promo[®] LED 2300



High resolution aerosol photometer for particle sizing and counting from 145 nm up to 100 μm with newest LED-technology



The new aerosol photometer Promo[®] LED 2300 is especially developed for the operation in monitoring applications.

The heart of this high resolution aerosol photometer is the new LED-Technology with extra long life time at highest stability in particle sizing and counting applications.

Description

With the Promo[®] LED 2300 a highly resolving aerosol photometer with a large measurement range was developed.

The advantages of a white light source with 90 ° light scattering in measurements of particle size and particle concentration was implemented with a very stable and durable LED Technology.

Additionally the Promo LED 2300 is equipped with a photometer mode, which enables the operator to perform measurements concerning mass concentration and mass efficiency according to EN 149 and DIN EN 13274-7.

We will be pleased to add further information on this page soon or answer your questions directly. Just contact us.

Promo[®] LED 2300



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 145 nm up to 100 μm
- Photometer mode for measurements according to DIN EN 13274-7

Datasheet

<i>Parameter</i>	<i>Description</i>
Measurement range (size)	0.145 - 100 μm
Measuring principle	Optical light scattering with integrating photometer
Measurement range (number C_N)	0 - 20.000 particles/ cm^3
Volume flow	4.8 l/min, 9.5 l/min
Data acquisition	Digital, 20 MHz processor, 256 raw data channels
Power consumption	Approx. 200 W
User interface	Touchscreen, 800 • 480 pixel, 7" (17.78 cm)
Pressure	-100 - +50 mbar

Applications

- Process monitoring of particle size and concentration
- Measurement of penetration of face masks (PMFT 1000 M)
- Measurement of fractional efficiency of particle size

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