



High resolution aerosol photometer for particle sizing and counting from 145 nm up to 100  $\mu\text{m}$  with newest LED-technology The new aerosol photometer Promo<sup>®</sup> 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.

## 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  $\mu\text{m}$
- Photometer mode for measurements according to DIN EN 13274-7

## Applications

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

<https://www.palas.de/product/promoled2300>

## Datasheet

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

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