

# Promo<sup>®</sup> LED 2300



High resolution aerosol spectrometer for particle sizing and counting from 145 nm up to 100  $\mu\text{m}$  with newest LED-technology

The new aerosol spectrometer Promo(r) LED 2300 is especially developed for the operation in monitoring applications. The heart of this high resolution aerosol spectrometer 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 spectrometer 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.

## 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>
<b>Measurement range (size)</b>	0,145-100 µm
<b>Measuring principle</b>	Optical light-scattering
<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, 95 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>	Touch screen, 800 • 480 pixel, 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

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