



新型光散射气溶胶粒径谱仪Promo[®] LED 2000 可配备多种传感器，实现从0.145 至100 μm 范围的颗粒物粒径分析和浓度测定。光学传感器的核心是新型LED 技术，在颗粒物粒径测量和计数应用中具备超长使用寿命与很高的稳定性。

优势

- 直观易用的操作界面
- 快速高分辨率的粒径分布测量
- 采用新型LED 技术，灯泡寿命长
- 测量范围广，从0.145 至100 μm
- 光度计模式，符合DIN EN 13274-7 标准的测量

应用领域

- 颗粒物粒径与浓度过程监测
- 口罩穿透率的测量
- 粒径分级效率测量

特点

- Long-life LED technology
- Up to four measuring ranges can be selected in one device: 0.145 μm - 10 μm | 0.3 μm - 17 μm | 0.6 μm - 40 μm | 2 μm - 100 μm
- Up to 128 size channels per measuring range
- Clear calibration curve thanks to white light source with 90° stray light detection
- Patented T-aperture: No edge zone error, coincidence detection and correction on the individual signal
- Selectable sensors for optimized measurement with regard to concentration
- On-site calibration and adjustment (particle size and volume flow)

技术数据

测量原理	Optical light scattering with integrating photometer
测量范围(数量浓度)	$< 1 \cdot 10^6$ particles/cm ³
测量范围(粒径)	0.145 – 100 μ m
体积流量	5 l/min
Size channels	Max. 64 (32/decade)
接口	USB, Ethernet (LAN), Wi-Fi, RS-232/485
User interface	Touchscreen, 800 • 480 pixel, 7" (17.78 cm)
Data logger storage	4 GB Compact Flash
软件	PDAnalyze
Data acquisition	Digital, 20 MHz processor, 256 raw data channels
Light source	LED
Support options	Direct remote access, Palas webservice service
Operating system	Windows 10 IoT (LTSC)
Power consumption	Approx. 200 W
Installation conditions	+5 – +40 °C (control unit)
Pressure	-100 – +50 mbar
Dimensions	185 • 483 • 313 mm (H • W • D) (19"), external sensor: 240 • 180 • 120 mm (H • W • D) (19")
重量	Control unit: approx. 8.2 kg, sensor: approx. 3.2 kg

标准和证书

EN 13274-7