# PROMO® 2000 H







The welas® aerosol sensors welas® 2070 H, HP, 2100 H, HP, 2300 H, HP and welas® 2500 H, HP are equipped with a heatable and, as required, pressure-tight cuvette to ensure isobaric and isothermal sampling into the sensor's measurement volume.

The Promo® 2000 H model variant also offers heating regulation for temperatures up to 250 °C for the aerosol sensors with heatable cuvette.

### 优势

- 测量范围为0.2 至100 μm (在一台设备中可选择4 个 测量范围)
- 仅一台设备中可配置多达4个测量范围:
  - $-0,2 \mu m 10 \mu m$
  - $-0,3 \mu m 17 \mu m$
  - $-0,6 \mu m 40 \mu m$
  - 2  $\mu$ m 100  $\mu$ m(仅限于welas® 2300 和welas® 2500 传感器)
- 每个测量范围支持多达128 个粒径通道
- 浓度范围从<1颗粒/cm3至106颗粒/cm3
- 不同折射率的校准曲线
- 从0.2 μm 开始具有很高且可重现的计数效率
- 耐压高达10 bar (可选)
- 可加热至250℃ (可选)
- 光纤技术
- 操作简便, 配有大尺寸触摸显示屏
- 客户可以独立进行校准、清洁和更换灯泡
- 外部控制可通过RS 232 或以太网实现
- PDAanalyze 分析软件
- 可选: PDControl 软件支持welas® digital 运行

## 特点

- Up to three measuring ranges in one device 0.2  $\mu$ m  $10 \ \mu \text{m} \mid 0.3 \ \mu \text{m} - 17 \ \mu \text{m} \mid 0.6 \ \mu \text{m} - 40 \ \mu \text{m}$
- Up to 128 size channels per measuring range
- Unique calibration curve thanks to white light source https://www.patas.de/product/promo2000h
  - Patented T-aperture: No edge zone error
  - · Digital single signal processing: Coincidence

### 应用领域

- 设施的排放监测
- 研磨与分级工艺控制
- 食品、制药及化工行业生产过程监测
- 完整过滤器、惯性分离器、湿式分离器或静电除尘器 的测试

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## 技术数据

测量原理 Optical light-scattering 测量范围(数量浓度) <1 • 10<sup>6</sup>particles/cm<sup>3</sup>

体积流量 5 l/min

Size channels Max. 128 (64/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 PDControl, FTControl, PDAnalyze

Data acquisition Digital, 20 MHz processor, 256 raw data channels

Light source Xenon arc lamp 35 W

外壳 Table housing, optional: with mounting brackets for rack-mounting

Support options Direct remote access, Palas webserver service

Operating system Windows embedded

Power consumption 100 W

Installation conditions +5 - +40 °C (control unit)

Dimensions 185 • 450 • 315 mm (H • W • D) (19")

重量 Control unit: approx. 8 kg, sensor: approx. 2.8 kg