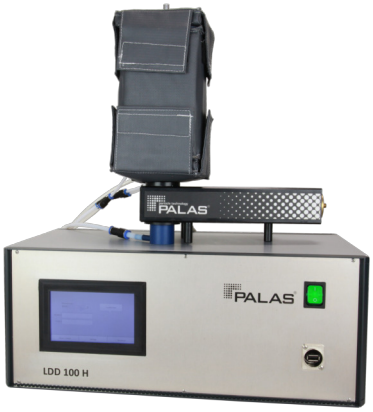
LDD 100 H



The dilution of large droplets is significant when measuring highly concentrated droplet aerosols. Since large droplets are challenging to dilute, standard systems only work up to a size of 1 - 2 μm. The model variant LDD 100 H can be heated up to 150 °C and thus prevents condensation.

The LDD 100 H (dilution factor 100) is the first system to dilute almost loss-free large droplets up to 10 μm

OPERATION PRINCIPLE

BENEFITS

- Defined dilution of large droplets of factor 100
- Proven dilution factor 100 for droplet sizes up to 7 μm
- Easy connection with Promo® and welas® digital aerosol spectrometers
- Internal pump for autonomous operations
- Resistant to pressure fluctuations of ± 200 mbar
- Simple handling
- Robust, durable, low maintenance
- Cost effective

NORMS AND CERTIFICATES

ISO 17536

DATASHEET

Volume flow (suction flow)	0.5 l/min
Power consumption	200 W
Installation conditions	0 – +40 °C
Dilution factor	1 : 101 : 100
Dimensions	Control unit: 185 • 450 • 315 mm (H • W • D), dilution unit: 250 • 145 • 120 mm (H • W • D)
Weight	Control unit: 10.2 kg, dilution unit: 2.9 kg
Special features	Heatable up to 150 °C

APPLICATIONS

- Measurement of blow-by aerosols according to ISO 17536
- Dilution of compressed air
- Measurement of cooling lubricant aerosols

Mehr Informationen:
https://www.palas.de/en/product/ldd100h