

Cloud Droplet Analyzer



High-Resolution Aerosol spectrometer for insitu cloud monitoring of droplets and ice crystals

Benefits

Applications

- Insitu-Cloudmonitoring
- Environmental Research
- Climate Research
- Cloudformation
- Ice Nucleation Events

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

Cloud Droplet Analyzer



Datasheet

<i>Parameter</i>	<i>Description</i>
Interfaces	USB, Ethernet (LAN), RS232/485, Wi-Fi
Measurement range (size)	0.4 - 40 μm , 0.8 - 100 μm
Measuring principle	Optical light scattering on single particle with evaluation of signal length and amplitude
Measurement range (number C_N)	0 - 200 particles/cm ³
Volume flow	5 l/min
Data acquisition	Digital, 20 MHz processor, 256 raw data channels
Reported data	Particle size distribution, number concentration, water content, mean volume equivalent diameter

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