

# CLOUD DROPLET ANALYZER



The Cloud Droplet Analyzer is a high-resolution optical aerosol spectrometer optimized for measuring size distribution and number concentration of cloud aerosols like droplets and ice crystals.

## BENEFITS

## APPLICATIONS

- In-situ-Cloud monitoring
- Environmental Research
- Climate Research
- Cloud formation
- Ice Nucleation Events

## DATASHEET

Measurement range (number $C_N$ )	0 – 200 particles/cm <sup>3</sup>
Measurement range (size)	0,6 – 40 $\mu\text{m}$ , 0,8 – 100 $\mu\text{m}$
Measuring principle	Optical light scattering on single particle with evaluation of signal length and amplitude
Reported data	Particle size distribution, number concentration, water content, mean volume equivalent diameter
Volume flow	5 l/min
Data acquisition	Digital, 20 MHz processor, 256 raw data channels
Interfaces	USB, Ethernet (LAN), Wi-Fi, RS-232/485



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