

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

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
Measurement (number C_N)	range	0 – 200 particles/cm ³	Measurement (size)	range	0,6 – 40 μm , 0,8 – 100 μm
Volume flow		5 l/min	Interfaces		USB, Ethernet (LAN), Wi-Fi, RS-232/485
Data acquisition		Digital, 20 MHz processor, 256 raw data channels			