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Ceilometer CHM 15k „NIMBUS“

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The LIDAR-based cloud height sensor / ceilometer CHM 15k is prepared to work throughout the year and in any climate



The Lufft CHM 15k has a double-walled housing combined with integrated fan and automatic heating system. Thus it provides reliable protection against misting, precipitation, freezing or overheating.

Exact results due to high sensitivity!
Reliable and accurate results at any time of the day or night are ensured by the use of long-life laser sources, filters with narrow bandwidth and high-sensitivity photodetectors.

Parameters measured: Aerosol backscatter profile, cloud base height, cloud penetration depth, aerosol layer height, cloud cover, vertical visibility, Sky Condition Index

Measurement technology: Optical (LIDAR)

Product highlights: Measuring range up to 15 km (50.000 ft), optimized detection of several cloud layers, simple eye-safe operation, service-friendly modular device design, various data telegrams including raw data

Interfaces: RS485, LAN, RS232 oder Modem V.21, V.22

Article number : 8350.00, 8350.01 incl. 8350.MOD, 8350.10, 8350.03

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Examples of use	Product variants	Advantages	Manuals	App Installation	Resources	Videos	Accessories	Technical Data
FAQs								

Example of use of the Cloud Height Sensor / Ceilometer CHM 15k

The CHM 15k is a simple single-shaft backscatter Lidar cloud height sensor or ceilometer. Within its measuring range of up to 15 km, it reliably detects several cloud layers, cirrus clouds and aerosol layers. The ceilometer is therefore often used for the following applications and events:

- Observation of up to 15,000 m high cirrus clouds
- Creation of aerosol backscatter profiles
- Determination of the boundary layer height
- Precipitation measurement
- Cloud cover detection
- Fog detection
- To determine the vertical visibility

Our clients include public and private weather services, environmental agencies and national and international airports.

[Learn more about it in the Lufft CHM 15k brochure >](#)

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