

CE710

High-power Mie-Raman Fluorescence LiDAR

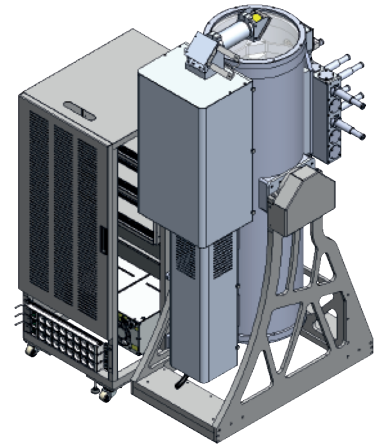
Atmosphere & aerosol monitoring

Our ACTRIS (Aerosols, Clouds and Trace gases Research InfraStructure) high-power aerosol LiDAR, born from the collaboration of CIMEL and LOA within the joint laboratory AGORA-Lab, is a sophisticated multi-wavelength Raman LiDAR that measures the aerosol extinction, backscatter fluorescence and depolarization profiles at 355, 532 and 1064 nm.

The CE710 LiDAR is designed for flexibility and upgradeability, offering customizable options for lasers, detection channels, and automation.

It includes all the essential features for users to perform the quality assurance and quality control procedures required for acceptance into ACTRIS.

With its advanced technology and reliable performance, the CE710 LiDAR plays an important role in enhancing our understanding of atmospheric aerosols and their impact on climate and air quality.



Features

- ACTRIS ready
- Up to 15 detection channels (Mie-Depolarization-Raman-Fluorescence)
- Easily upgradable (additional channels)
- Integrated system, including calibration tools and remote control
- Easily transportable (compact design)
- Thermal enclosure (in option)
- Complete data processing software (AUSTRAL) integrating data from our CE318-T photometer

Applications

- Climate Sciences
- Air quality
- Aerosols and clouds
- Meteorology
- Satellite validation

Software

