

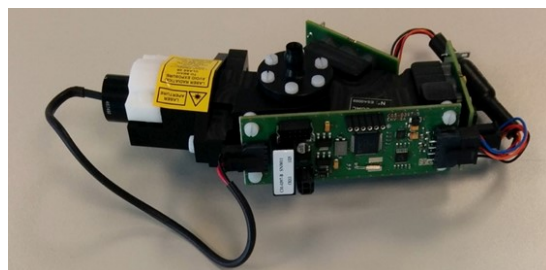
# LOAC Recorder



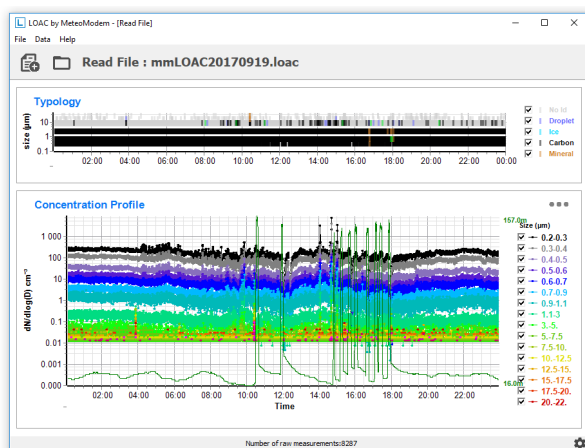
**LOAC** is the state of the art analyser consisting of an aerosol particle counter providing size distribution and typology while offering a high level of sensitivity. This new, unique and versatile aerosol monitoring instrument does not need any lens. It uses a laser beam and measurements are conducted at two scattering angles, of 12° and 60°.

The **LOAC Recorder** is an instrument composed of a GPS and an embedded acquisition system. Data are either collected and stored on a USB device (post processing) or available in real time by ethernet connection.

- The LOAC determines the concentration of aerosols (numbers of aerosols per cm<sup>3</sup>) for 19 sizes classes between 0.2 and 50 µm (with 10 sizes classes between 0.2 and 5 µm). The instrument can be used to document the physical properties of aerosols. in the low and middle layer of the atmosphere during phenomenon such as pollution, sand wind, volcanic eruption or long-term studies.
- The LOAC Recorder can be powered by the mains or by an internal rechargeable battery. In this way it can be used in a fixed location (rooftop, in a tunnel, or even mounted on a mast...) or it can be used for mobile applications.



## LOAC software



## LOAC Recorder specifications :

### Dimensions :

- L : 254 mm
- l : 150 mm
- h : 203 mm

**Weight :** 1.7 kg (without battery)

**Power :** 12V DC (mains or battery)

**Network connection** (option) :

- RJ45 cable