





Compact, Multi-Angle, Multi Spectral Polarimeter in development

Instrument Requirements for future ESA mission:

40 Views

6 Channels

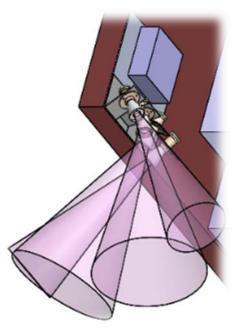
<0.3% Degree of Linear Polarization (DOLP) Accuracy







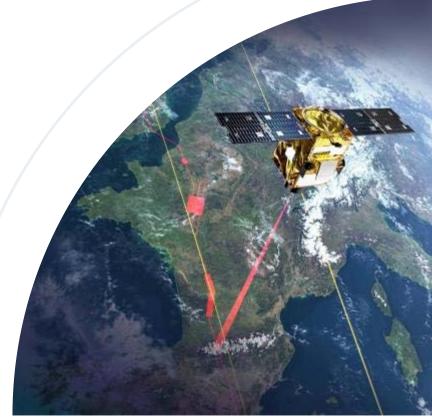
Low cost, Auxiliary instrument for Aerosol Retrieval



Innovative Focal Plane technology

15kg 30W

Suitable for a stand-alone mission or as a companion instrument









mplate: 83230347-DOC-TAS-EN-005

Why is this useful?

Multi-angle, multi spectral polarimetry is one of the best ways to characterise aerosol properties, including

- Aerosol optical thickness
- Size distribution
- Chemical composition
- Particle shape

Additionally, this instrument is key in reducing the errors in CO2 retrieval, which is particular important for the high accuracy required in anthropogenic carbon missions.

