

OmniES

OmniES Emission Spectroscopy Systems

A modular emission-measurement platform combines spectral dispersion, optical detection, acquisition and software. Scanning and array-based configurations support different light sources and resolution needs.

1. Source emission

2. Spectral separation

3. Emission analysis

Best suited to

LED, lamp, laser and plasma emission characterisation.

Configuration

Provide the source spectrum, linewidth and expected signal. Absolute radiant or luminous quantities require the collection geometry and radiometric calibration to be defined with the instrument.

Specifications

Published parameters	
Measured signal	Emission spectrum
Readout configurations	Scanning detector or array spectrograph
Broadband source approach	Compact or short-focal-length spectrometer
Narrow-line source approach	Long-focal-length spectrometer
Order sorting	Configured filter wheel for broad spectral scans
Analysis options	Spectral distribution; calibrated flux and colour quantities

Measurement features

- Scanning or simultaneous spectral readout.
- Focal length selected for linewidth and throughput.
- Dual-output detector arrangements for broad wavelength coverage.

Configuration note

Wavelength range, resolution and radiometric accuracy depend on the configured spectrograph, detector and calibration; the source gives no single universal specification.

Full configuration: www.precisometer.com/spectroscopy/spectral-imaging/omnies