



KALAS

Large beam analysis with SID4

SPECIFICATIONS

Compatibility	SID4 / SID4 HR / SID4 UHR SID4 SWIR / SID4 SWIR HR
Entrance pupil diameter	8 mm / 15mm / 25.4 mm / 50.8 mm / 101.6 mm / 127 mm Larger diameter available upon request
Source wavelength	405 / 530 / 625 / 740 / 780 / 810 / 850 / 940 / 1050 / 1550 nm More wavelengths available upon request
Accuracy	< 15 nm RMS
Weight	< 15 kg
Dimensions	450 x 350 x 250 mm ³

KEY FEATURES



All the modules are standalone



Beam diameter up to 127 mm



Divergence, M² & WFE

5'' BEAM WAVEFRONT IN ONE SHOT

KALAS is a modular solution to characterize **beams of up to 127mm (5'')** with **high accuracy** (<15 nmRMS). All the modules can be used as standalone systems and replaced within KALAS without alignment, including the wavefront sensor.

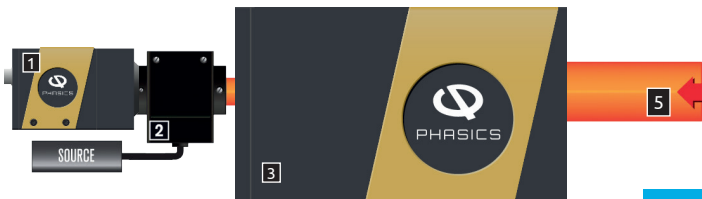
Embedding all the advantages of PHASICS technology, KALAS enables to easily perform **the full characterization of your beam** under test. In a **single-shot**, Kalas measures wavefront and intensity, and calculates **divergence, waist dimensions, M^2** , and all the relevant information to fully qualify your beam.

HOW IT WORKS : 2 STEPS

→ Calibrate the aberrations from the measurement system



→ Characterize your beam



- 1 SID4 Wavefront sensor
- 2 R-Cube Illumination module
- 3 Beam expander
- 4 Reference flat mirror
- 5 Incident beam under test