Phasics
EXOSENS GROUP



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 mm³

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 nm RMS). All the modules can be used as standalone systems and replaced within KALAS without alignment, including the wavefront sensor.

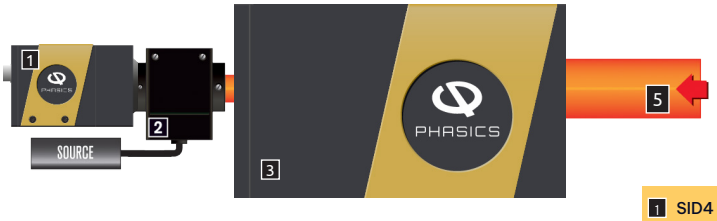
Embedding all the advantages of PHASICS technology, KALAS enables to easily perform the full characterization of your beam under test. In a single-shot, Kalas measures wavefront and intensity, and calculates divergence, waist dimensions, M^2, and all the revelant information to fully qualify your beam.

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

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afaq ISO 9001 Qualité AFNOR CERTIFICATION

2026-03 - This document is not contractual