

# Optikos ColliMeter™

## Precise Measurement for the Set Up and Qualification of Collimators



ColliMeter™ 350



ColliMeter™ 50  
with top-mounted collimator under test

For over 30 years, Optikos has been at the forefront of manufacturing, aligning, and installing refractive and reflective collimators with our definitive lens and camera measurement systems.

Our commitment to producing the **most precise wave fronts** has led to the development of advanced alignment tools and techniques—once reserved exclusively for internal use. Now, in response to growing demand, we're proud to offer these powerful capabilities to the broader optics community under the **ColliMeter™** brand.

The **ColliMeter™** family of instruments allows engineers to:

- **Precisely set collimation** of a source object
- **Determine apparent object distance** across a wide range, from visible to LWIR, and from small to large aperture systems

At the heart of the system is a **scanning pentaprism technique** (per ISO 11421) that maps wave front slope across the aperture, yielding a classical ray fan plot. A perfectly collimated system produces a straight-line plot—any deviation indicates defocus, which is quantified through advanced statistical analysis.

### Choose the Right Model for Your Application

#### ColliMeter™ 350

Ideal for large, horizontal-beam collimators. Includes an auto-collimating light source to facilitate precise alignment of your external source object with key reference features on the collimating optic.

##### System includes:

1. ColliMeter™ 350 Scan Head
2. Two-axis alignment stage with kinematic interface
3. ColliMeter™ Interface Box
4. One fixed-size aperture
5. Flight case for shipping and storage

##### ColliMeter™ 350 options:

1. Laptop with ColliMetric software installed and configured
2. Adjustable scanning aperture

#### ColliMeter™ 50

A compact benchtop system for smaller projectors mounted vertically.

##### System includes:

1. ColliMeter™ 50 Instrument
2. ColliMeter™ Interface Box
3. Flight case for shipping and storage

##### ColliMeter™ 50 options:

1. Laptop with ColliMetric software installed and configured
2. Internal Filter/Lens Wheel populated with up to eight filters/lenses

