

AlignMeter USB 200 mm

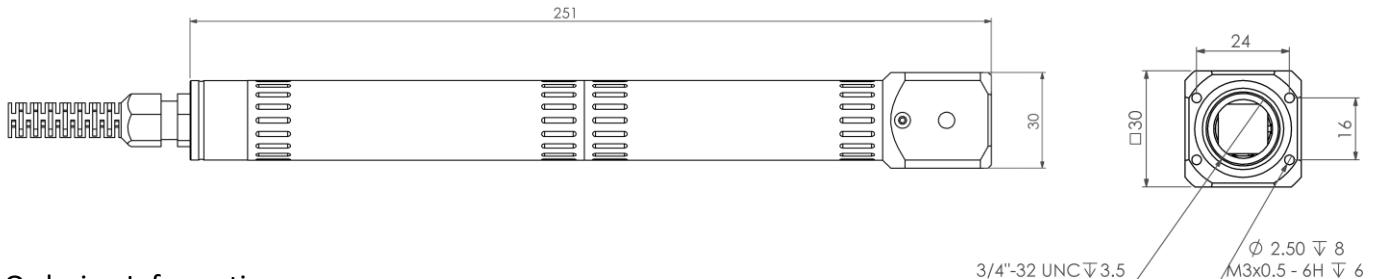
Measurements of position and angular displacements of laser beams



- Analyzes angular directions ($\theta_x \theta_y$) and position direction of incoming laser beam into its aperture
- Versatile - Measures Power and Angular incoming direction using PSD detector technology
- Precise: Down to 0.1 μm resolution & 50 Hz digital filter, and down to 0.005 mRad resolution.
- Focal length - 200 mm

Specifications

PSD size for position	4 x 4 mm
Usable beam size range	50 μm to 3 mm
Update rate	Max. 150 Hz at 500 Hz digital filter
Spectral range	350 - 1100 nm (calibrated at visible 400-700 nm)
Position measurement range	3.5 mm dia. circle max.
Power range	10 μW - 10 mW with filters
Power accuracy (*)	$\pm 5\%$
Angle measurement range	17 mRad
Angle resolution	0.005 mRad (50 Hz Filter) - 0.0003 degrees
Position accuracy	$\pm 5 \mu\text{m}$ edge to edge, $\pm 1 \mu\text{m}$ for small movements



Ordering Information

Complete system including a manifold box, USB2.0 cable, measuring head, software and user manual on CD/Flash Drive, carrying case.

ALIGN-USB-200: Measuring head with focal length $f=200\text{mm}$

Optional accessories

ALIGN-FLT-NG4: NG4 filter in housing

ALIGN-FLT-NG9: NG9 filter in housing

ALIGN-FLT-NG10: NG10 filter in housing

ALIGN-HOOD: 55mm long, for ambient light suppression

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