SID4 DWIR (3-5 µm & 8-14 µm) WAVE FRONT SENSOR



PHASICS introduces the first off-the-shelf **high resolution wave front sensor** for dual band infrared (from 3 to 5 μ m and from 8 to 14 μ m).

SPECIFICATIONS

Aperture dimension	10.08 x 8.16 mm ²
Spatial resolution	68 μm
Sampling	160 x 120
Wavelength ranges	3 – 5 µm and 8 – 14 µm
Accuracy	75 nm RMS
Sensitivity	25 nm RMS
Analysis rate	10 fps
Acquisition rate	50 fps
Dimensions (I x H x L)	85 x 118 x 193 mm (standard)
Weight	~ 1.6 kg

PHASICS - The phase control company

→ APPLICATIONS

For **optical metrology**, the **SID4 DWIR** is the perfect tool to characterize IR objectives (thermal imaging and safety vision) or IR lenses (for CO2 laser) giving you MTF, PSF, as well as aberrations, surface quality and focal length.

For **laser beam metrology** (CO2 laser, Infrared OPO laser sources...), the **SID4 DWIR** gives an exhaustive beam characterization (aberrations, M², intensity profiles, beam parameters...)

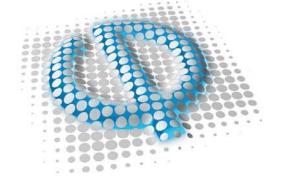
The ease of use and compactness make the **SID4 DWIR** very simple to integrate.

→ KEY FEATURES

- High resolution (160 x 120)
- Absolute measurement
- MWIR Band & LWIR Band
- Broad Band
- High Numerical Aperture measurement for analysis without any additional relay lens
- Fast measurement
- Insensitive to vibration
- Optional module available for simple off-axis measurement
- Cost effective

Distribution in the UK & Ireland





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