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Products > Optics Test Equipment > Electronic Autocollimator

Visual autocollimator of Moeller-Wedel, equipped with megapixel camera and highly accurate evaluation software, numerous measuring functions, high accuracy, versatile use

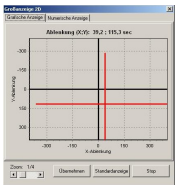
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- Laptop with live-videoimage of the measuring signal. Possible problems become immediately visible (e.g. vignetting).
- Window with representation of the current measured value as hair cross (with announcement of the point of reference) or as numerical value.
- Autocollimation head with direct connection of the USB-camera for data acquisition.
- LED-illumination

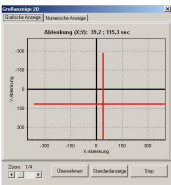
Features



Real time display of the current hair cross position in relation to the reference position as numerical value (reference position freely selectable)



Real time representation of the current hair cross position in relation to the reference position (reference position can set on any point)



Simultaneous real time display of hair cross position, reference position and numerical values.

- data acquisition with digital USB 2.0-camera
- 1,3 megapixel resolution (standard, other resolutions on inquiry)

- Resolution of angle measurement <0.1 arcsec (depending from the focal length and free aperture)
- focal length range 90mm to 1100mm
- free aperture 28mm or 50mm
- Representation of the measuring signal as live video on the laptop monitor
- additional representation of graphic hair crosses (e.g. point of reference and current hair cross position)
- Representation of the measuring signal as angle value in different units
- Zoom function
- Measured value tables
- Production and print out of freely configurable metrology records
- Expenditure of the measured values over RS232 and numerous software interfaces
- Announcement of tolerance fields
- extensive accessories (mounting plates, basis mirror, stands, laser resolution for fast rough adjustment)

Graphic operators interface



The graphic user surface possesses many advantages in relation to visual autocollimators. It makes fatigue-free working possible and offers different representation possibilities.

At the autocollimation head both digital USB cameras of most diverse resolutions and standard video cameras can be attached.

The software offers numerous functions for the use in optical applications (cementing, deflection angle, wedge angle in the transmitted light/reflection).

For the measurement of straightness and flatness the software offers a direct interface via clipboard to the proven software ELCOLEVEL.

A direct interface to ELCOLEVEL will be available soon on.

Welcome Company	News	Exhibitions	Products Optics Test Equipment Contact angle, surface tension measuring systems for beverage can manufacture drawing die and wire measurement Straightness, Flatness, positioning uncertainty of round tables Semiconductor technology, Micro scribe Measuring microscopes, Image processing Flatness, Bow, Warp, curvature, glass thickness Development services	Product videos	Software Download COMEF ELCOLEVEL ELCOWIN OEG iitMTF RTM SURFTENS Teamviewer
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