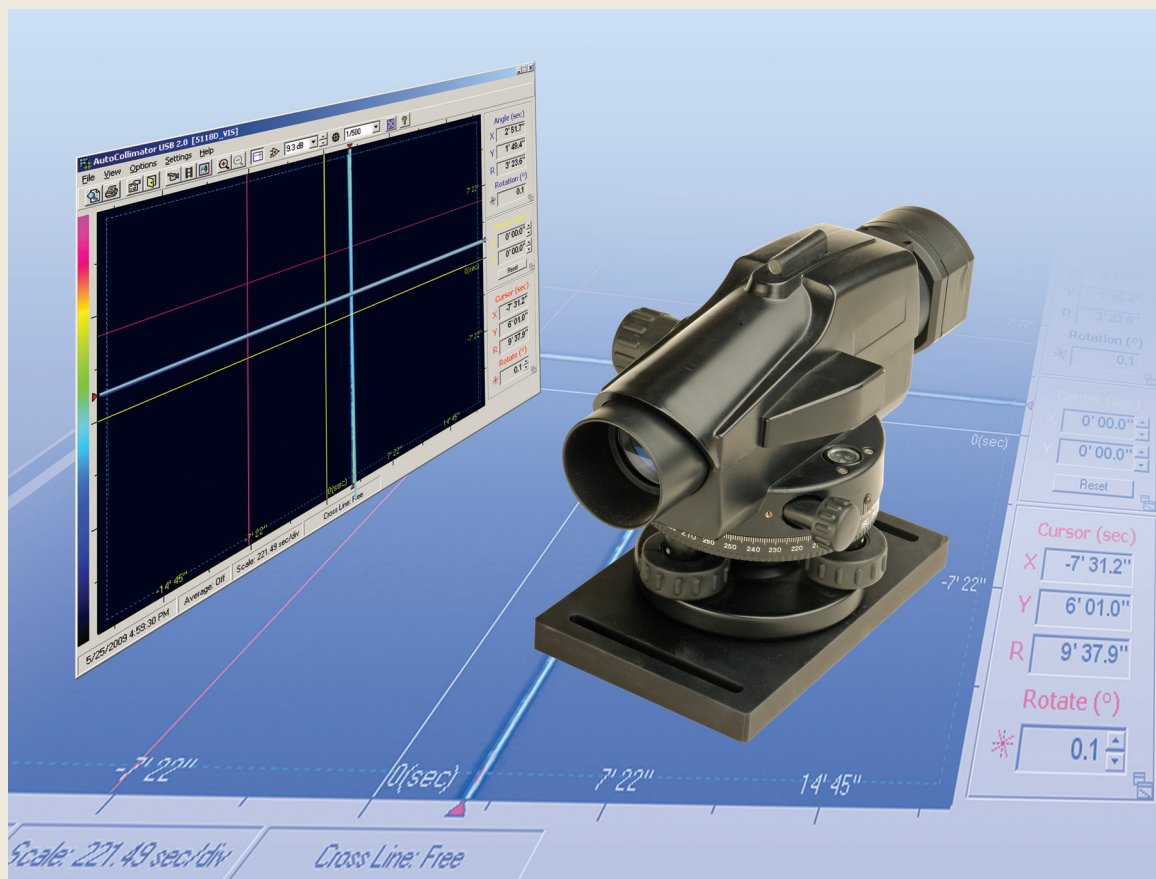


Electronic Autocollimator

A precision USB 2.0 device combining the functionality of collimator and alignment telescope

Our Precision Electronic autocollimator has built in adjustment features, such as: coarse alignment telescope, leveling bubble, adjustment pan tilt knobs, enabling unprecedented enhancement alignment procedure.



Main Applications

The Autocollimators applications are mainly related to the detection and measurement of small angular displacements. Examples include:

- Measurement of mirror angle
- Straightness measurement of linear stages
- Characterization of rotation stage
- Measurement of wedge, prism and polygon angles
- Measurement of reflecting surface parallelism
- Measurement of surface flatness
- Alignment of optical setups
- Machine alignment
- CD/DVD ROM alignment
- Thermal stability measurements
- Vibration analysis



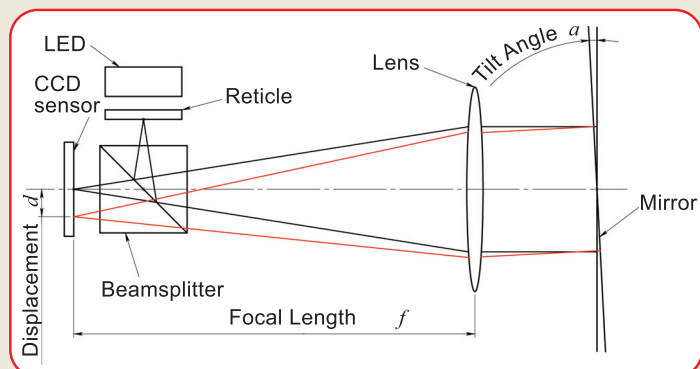
OPTOPHASE, 15 Rue du Bocage, 69008 LYON (FRANCE)

Tel : +33(0)478742456

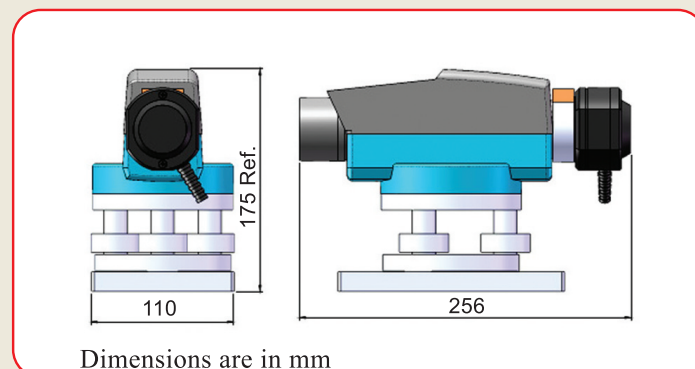
Email : info@optophase.com

Measurement Specifications

Concept



Mechanical Dimensions



Specifications

Field of view

Autocollimator 42' (H) (2520 sec of arc)

Collimator 42' x 2 (H)

Resolution 0.25 sec

Accuracy 2.5 sec

CCD Camera 1/2" (1/3" Optional)

Light Source LED

Interface USB 2.0

Clear aperture 36mm

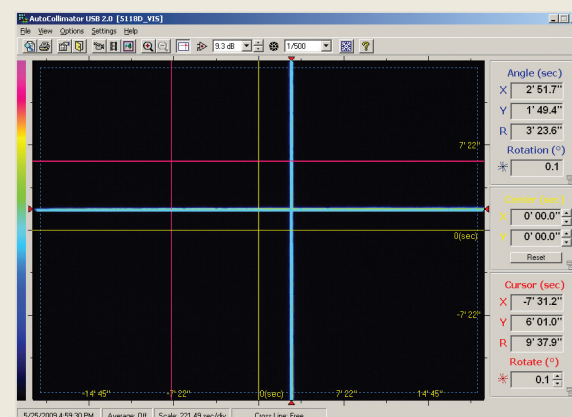
Built in focusing feature

Focusing range 30cm to infinity

Bore sight retention ± 5 sec

Built in pan tilt adjustment

Built in coarse aiming telescope



Hardware Requirements

Pentium IV, 2.4GHz, 512MB RAM, 10MB Free HDD, 64 MB 24 bit color VGA card, 1 free High Speed USB2.0 port, CD ROM any type, Win XP/Vista.

Ordering Information

PN: EAC-0309 Complete system including a collimator unit with USB2.0 CCD camera, software on CD disk.



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