

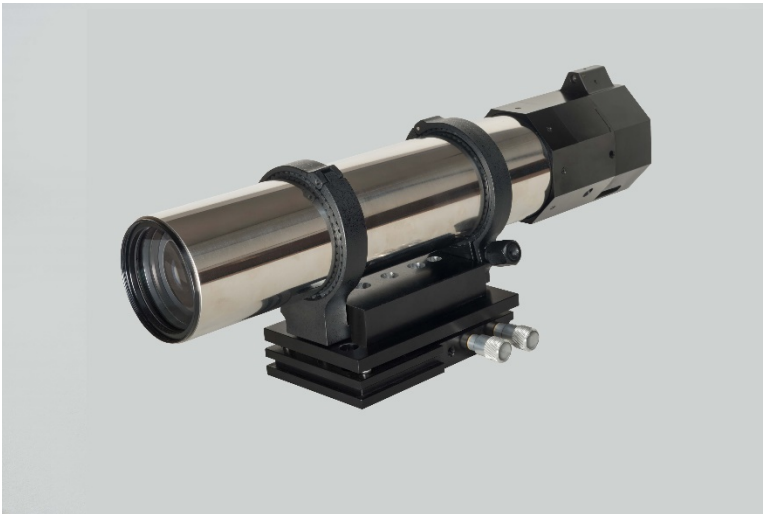
Product Datasheet



PLX Electronic Autocollimator – ACT-HR

ACT-HR High-Resolution Electronic Autocollimator

Designed for use in tool rooms, inspection departments and quality control laboratories, this sensitive High-Resolution ACT-HR Electronic Autocollimator will measure extremely small angular displacements, squareness, twist and parallelism.



PLX Autocollimator

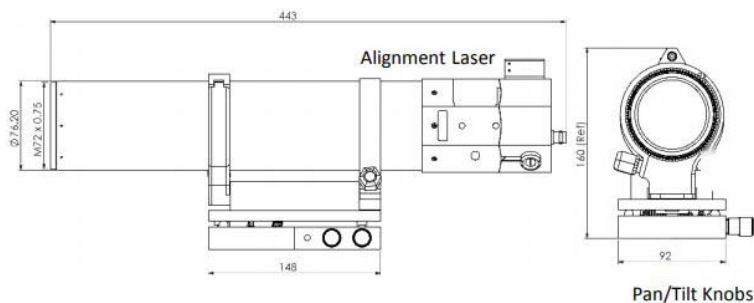
ACT-25B Electronic Autocollimator

ACT-25FO Autofocusing Electronic Autocollimator

ACT-HR High-Resolution Electronic Autocollimator

ACT-WF Wide-Field Electronic Autocollimator

ACT-HR High-Resolution Autocollimator



Dimensions are in mm.

ACT-HR:

- High-resolution measurement capability down to 0.01 arc second or 0.05 μ Rad.
- Real time measurement of angular displacement.
- Automatic angle deviation display.
- Relative measurements.
- Built-in pan and tilt adjustments.
- Built-in coarse aiming laser.
- Low Light - low reflection capability.

Software

All PLX autocollimators come with software, and the software automatically displays angle deviation and can give the relative position of multiple targets.

Data logging is supported and can be configured to record for a predetermined time or a fixed number of data points. The recording interval can also be set. The data can be saved to a file or streamed to a remote location via RS-232 or TCP/IP. The communication setting for both RS-232 and TCP/IP is fully configurable from the software.

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ACT-HR Specifications

Specification		Value
Field of View	Autocollimator	20' (H) (1200 sec of arc)
	Telescope	40' (H) (2400 sec of arc)
Gain Control		x24
Resolution		0.01 sec of arc (0.05 μ Rad)
Accuracy		1 second
CCD camera		1/2" (1/3" Optional)
Light Source		LED
Interface		USB 3.0
Clear Aperture		62mm
Retro-reflector for alignment		\varnothing 64mm, N.W. 280g
Thread		\varnothing 16mm, <5"
Min. Focusing Distance		Focused at Infinity
Coarse alignment laser		638nm power <1.0 mW Class 2 laser product, IEC60825-1
Pan and Tilt knobs		Tilt \pm 2°, Pan \pm 2.5°
Housing Size (L x W x H) in mm		443 x 92 x 160
Power Requirements		~2.5 Watt (Via USB 3.0 interface)
Weight (typical)		5 kg