

PLX



SPECIFICATIONS for the ACT-25

Specification	Value
Field of View	
Autocollimator	42' (2520 arc-seconds)
Telescope	84' (5040 arc-seconds)
Resolution	0.1 arc-seconds
Accuracy	2.5 second
CCD camera	1/2"
Light Source	LED
Interface	USB 2.0
Clear Aperture	36mm
Focal Length	250mm
Objective Focusing Range	30cm to infinity
Bore sight retention	±5 seconds
Weight	2.5 kg
Built in Laser for coarse alignment	

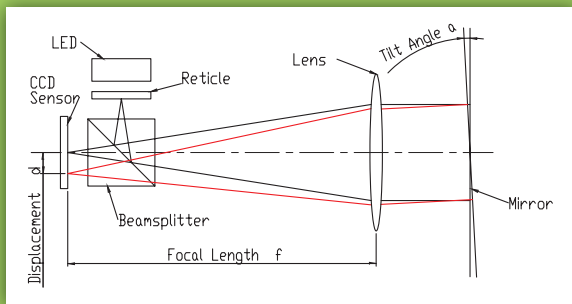
The all-in-one PLX ACT-25 ELECTRONIC AUTOCOLLIMATOR AND ALIGNMENT TELESCOPE

Great features and functionality.

- Robustly designed all-in-one unit.
- Used to detect and measure small angular deviations.
- Exceptional focusing range and arc second resolution.
- Built-in laser for coarse alignment.
- Long lasting LED light source.
- Full-featured software suite allows you to record and document your measurements.
- Connects to your computer via a USB port.
- Fully integrated mount and leveling capability.

The all-in-one advantage.

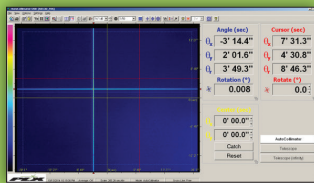
When the ACT-25 is used as an autocollimator, the unit has a 42-minute horizontal measurement range. In alignment telescope mode, the field of view is 84 minutes horizontally. The PLX ACT-25 autocollimator has a 0.1 arc-second resolution.



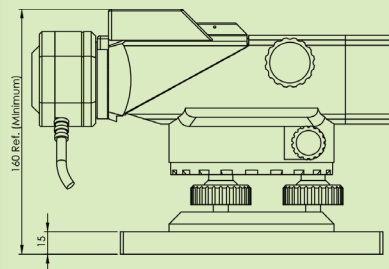
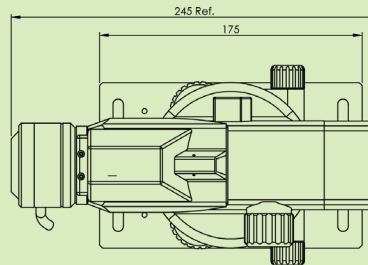
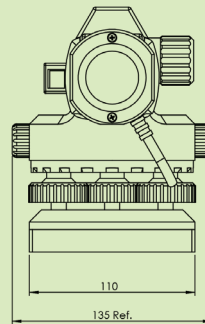
A unique feature of the ACT-25 is the ability to focus down to 30cm (12 inches) in the telescope mode. This capability allows the measurement of lateral displacements, as opposed to the autocollimator mode, which measures angular displacements.

Exceptional functionality.

The software suite automatically displays angle deviation and can give the relative position of multiple targets. Available accessories include Hollow Retroreflectors, Lateral Transfer Hollow Retroreflectors (LTHR™), Lateral Transfer Hollow Periscopes (LTHP™), Tool Cubes™ and cooperative targets.



A variety of applications: For Machinery Alignment the Autocollimator/Telescope can be used for checking the accuracy of machine slides. Optical Testing: the electronic autocollimator can be used for testing various optical components. Some measurements may require the use of supplemental optics. Additionally, the PLX ACT-25 Autocollimator is valuable for Bore-sighting applications.



You'll find PLX instruments designed with our proprietary Monolithic Optical Structure Technology (M.O.S.T.™) in Military, Space/Aerospace and Commercial/Industrial applications as well as University Research and Science Labs around the world.

PLX
INNOVATIVE OPTICAL SYSTEMS

PLX Inc. 40 W. Jefryn Blvd.

Deer Park, NY 11729

Tel: 631.586.4190

Fax: 631.586.4196

www.plxinc.com

e-mail: www.info@plxinc.com