

The Ultra Autocollimator *Basic*

For measuring angle, straightness, flatness, squareness, and parallelism



Ultra shown with optional mirror

Used extensively in workshop, tool rooms, inspection departments and quality control laboratories throughout the world, Taylor Hobson Autocollimators are sensitive optical instruments designed for the accurate measurement of small angular displacements.

Technical data

Best accuracy	sec	0.3
Accuracy over total range	sec	0.6
Range of measurement in each axis		+/- 600 sec
Direct reading to	sec	0.01
Working distance for full measuring range	m ft	5 15
Maximum working distance	m ft	20 60
Measurement axes		2
Light source for measurement		Infra-red LED
Barrel diameter approx	mm in	57 2.25

Dual axis

Using the latest CCD technology the new Ultra Dual Axis Autocollimator is a highly versatile instrument offering high accuracy and stability over a range of applications.

Simple set-up

This wide range Autocollimator comes with a laser sighting aid for simple setup. Combine this with the clear visual display on the autocollimators tablet PC and set up is easy even over long distances or with small reflectors.

Clear results

The Ultra Autocollimator also has optional Taylor Hobson dedicated Optical Analysis software which allows advanced measurement, calculation and analysis of a range of features such as straightness, flatness and indexing tables.

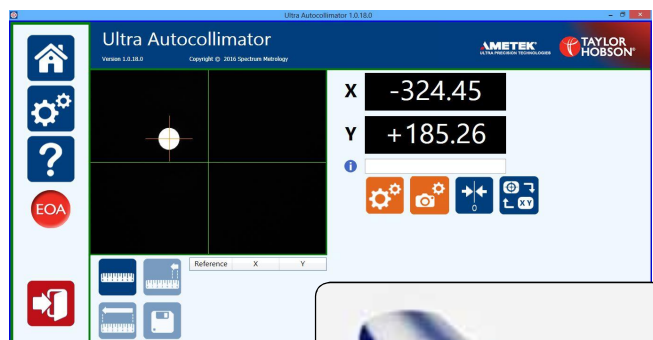
Ultra Autocollimator - Basic Model

Key features

- +/- 600 sec ,measurement range
- 0.3 seconds accuracy
- Software for Simultaneous dual axis operation and display
- Laser sighting aid for easy set-up
- Simple touch-screen operation
- Optional further analysis software for straightness, flatness and indexing heads

Applications include:

- Simultaneous 2 axis straightness measurement
- Alignment of optical systems
- Flatness measurement
- Lens centration
- Angles of optical components and prisms
- Checking, setting & measurement of angular indexing heads and tables



The laser sighting aid attachment and clear visual software in a range of languages ensure that measurement setup is quick and simple.





Electro optical metrology

Taylor Hobson has been selling electro-optical metrology products since the last 1930s and the range includes Micro Alignment Telescopes (used for checking and setting straightness and alignment) Autocollimators (for accurate measurement of small angular displacements), clinometers and "Talyvel" electronic levels. Used in a range of applications in industries such as machine tools, aerospace, marine and steel rolling, the Taylor Hobson range combines high accuracy and repeatability with fast response and operational convenience.

To provide focused technical support to all its electro-optical metrology customers, Taylor Hobson has a dedicated technical support centre:

Spectrum Metrology

Customers with electro-optical measurement needs often require not only equipment but also advice on solving a specific manufacturing or calibration problem. With many years experience in electro-optical metrology, Spectrum Metrology provides rapid technical and application support via phone, fax, e-mail or on-site visits. A full demonstration and training facility is available either on-site or in Spectrum Metrology's demonstration room.

Spectrum Metrology is also the authorised repair agent to Taylor Hobson for the electro optical metrology range and holds a wide stock of ex-demonstration equipment for hire or sale.

Spectrum Metrology can be contacted on:

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