

ReticleSense® Auto Leveling System (ALSR)

ALSR

○ Speeds setting the right inclination by measuring pitch, roll and rise overrun.

Quickly and accurately set the same level across tools for better process uniformity.



Optimize equipment setup.

- Measure the level conditions in real time in reticle handling equipment (i.e.: reticle stockers) and fully characterize your production equipment.
- Quickly verify alignment and inclination of the handling systems to prevent scratching and misalignment, so your equipment can be returned to productive use faster.
- Reticle-like and vacuum compatible, so you don't need to expose process areas to the fab environment.

Enhance process uniformity with objective and reproducible level adjustments.

- Take the human element out of adjusting your equipment with objective numerical measurements.
- Easily and quickly review and store measurements with LevelView™ software graphical user interface.
- Make the right adjustments time after time.
- Attain better tool-to-tool process uniformity with leveling that is repeatable, technician-to-technician.

Reduce equipment maintenance time with wireless measurement.

- Collect and display inclination data wirelessly with ALSR and LevelView™ software.
- See the effects of your adjustments in real time, speeding equipment alignment and returning it to productive use faster.

Semiconductor fabs and OEMs worldwide value the accuracy, precision and versatility of the ReticleSense ALSR – The most efficient and effective wireless measurement device for leveling.



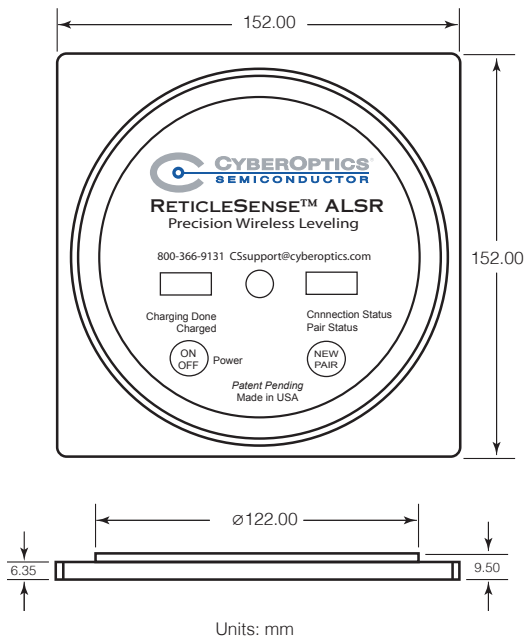
Save Time. Save Expense. Improve Yields.

CYBEROPTICS®

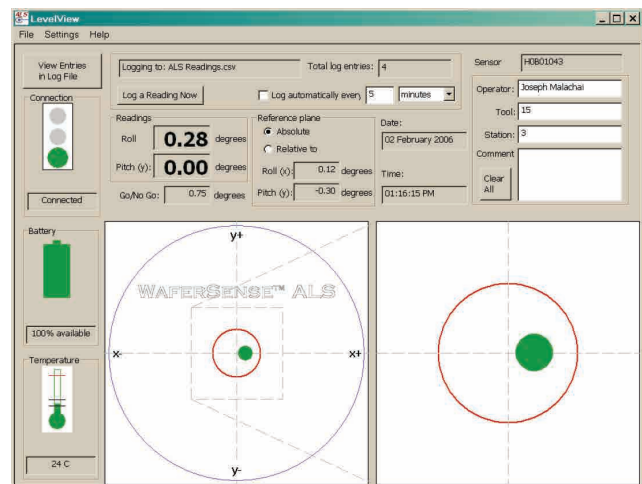
Features

Wireless, reticle-shaped and battery-powered	Available in a 6 inch reticle form factor
Easy-to-use software	LevelView and LevelReview software included LevelView: Displays real-time visual feedback. Digital readout allows more precise adjustment LevelReview: Replays log file data for review and analysis
Highly accurate	+/-0.03 deg at optimum temperature.
Reports inclination in two dimensions	Pitch and roll display allows quick, accurate adjustments. Slope and polar display modes enhance ease-of-use
Relative measurements	Zero position may be set to any reference plane within the system's operating range for easy relative measurements
Durable housing	Hard anodized aluminum polycarbonate
Operating Range	+/- 4 degrees from absolute
Operating pressure	<10e ⁻⁶ to 760 torr
Operating temperature	20 to 70 degrees C : optimum 20 to 30 degrees C
Battery-operation	>4 hrs. per charge, 8 hrs. typical
WaferSense Link	Bluetooth, 2.4 GHz, USB 1.1, dimensions 92mm x 58mm x 28mm
Operating Systems	Windows 7, XP and Vista
Product components	Leveling measurement device, charging clean box, carrying suitcase, USB communications link module and application software
Calibration	Factory recalibration recommended annually

Dimensions



LevelView™



Real-time data.



Contact CyberOptics today for your complimentary on-tool demonstration
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