



Save Time



Save Expense



Improve Yields

Semiconductor fabs and OEMs worldwide value the accuracy, precision and versatility of the WaferSense AVLS3 - The most efficient and effective wireless measurement device for leveling and vibration.



WS

NEW

# WaferSense®

## Auto Vibration and Leveling Sensor™ (AVLS3)

### Metrology Sensors

Speed real-time vibration and leveling measurements.



Leveling

+



Vibration

## Speed Equipment Qualification

With wireless measurements.

- Collect and display acceleration, vibration and leveling data.
- Use the AVLS3 with new CyberSpectrum™ software for real-time equipment diagnostics.
- See the effects of calibrations in real-time, speeding equipment alignment and set-up.

## Shorten Maintenance Cycles

Shorten equipment maintenance cycles with thin and wafer-like form factor.

- Access more chambers with the thin 3.5mm form factor.
- Enable smooth wafer handling and improved vacuum chucking with the new Chemically Hardened Glass (CHG) substrate.

Specifications	
Form factor	Available in 300mm.
Part numbers	8029812
Software	CyberSpectrum
Highly accurate - leveling	Horizontal accuracy: $\pm 0.03$ deg within $\pm 7$ deg from absolute Horizontal resolution: $\pm 0.002$ deg within $\pm 14$ deg Reports inclination in two dimensions: x and y
Highly accurate - vibration	Reports accelerations in three directions: x, y, and z and RMS display allows quick, objective measurements. Operating range: $\pm 4G$
Housing material	Laminated chemically hardened glass
Weight	196.7 g
Thickness	3.5mm thick
Operating pressure	$<10^{-6}$ to 760 torr
Operating temperature	20 to 60 °C
Battery-duration	$>1$ hour per charge. Inductive wireless charging and hands free operation.
Communication	Bluetooth, 2.4 GHz, USB 1.1
Operating system	Windows 10
Product components	Auto Vibration and Leveling Sensor measurement device, charging clean box, carrying suitcase, and USB communications link module
Calibration	Factory recalibration recommended annually

- Keep the process areas unexposed to the fab environment with vacuum compatible AVLS3.
- The new AVLS3H model provides improved usage with three point non-symmetrical edge chucks, seen in furnace and other applications.

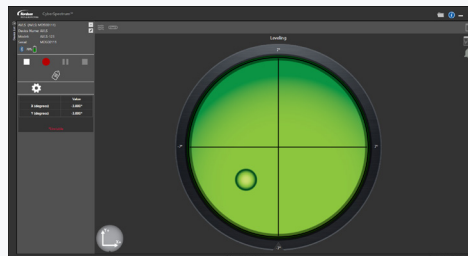
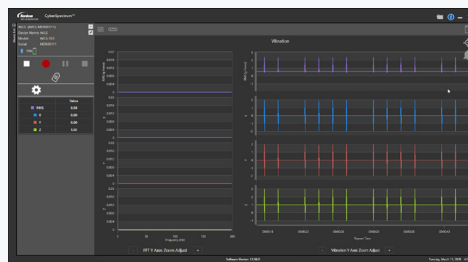
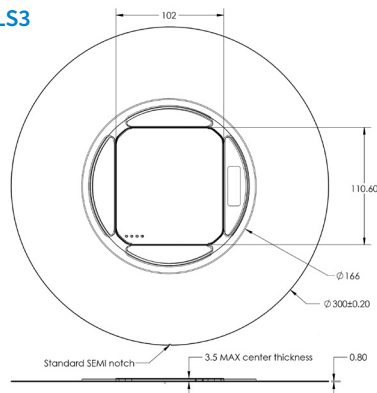
## Lower Maintenance Expenses

Lower equipment maintenance expenses and enhance process uniformity with objective and reproducible data.

- Take the human element out of calibrating equipment with objective measurements for multiple applications in one.
- Make the right adjustments time after time.
- Receive early warning for impending equipment failures and optimize your preventative maintenance plans.

## Dimensions

### AVLS3



Real-time data.

**For more information, speak with your Nordson representative or contact your Nordson regional office**

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## CyberSpectrum™ Software

Displays real-time visual feedback. Digital readout allows for more precise adjustment.

Review functionality integrated; replays log file data for review and analysis.