



Save Time



Save Expense



Improve Yields

Semiconductor fabs and OEMs worldwide value the accuracy, precision and versatility of the WaferSense AGS – The most efficient and effective wireless measurement device for chamber gapping.



WS

# WaferSense<sup>®</sup>

## Auto Gapping System™ (AGS)

### Metrology Sensors

**Improve Uniformity and Yield with the Wireless WaferSense AGS for Accurate and Repeatable Setups.**

Speeds non-contact gap measurements and parallelism adjustments under vacuum for semiconductor processes such as thin-film deposition, sputtering and etch.

## The Ideal Set-up

Achieve the ideal set-up for your equipment by measuring gaps at three points.

- Quickly achieve exactly the gap you need, using the chamber readings at process pressure in numerical and graphical form, with the easy-to-use CyberSpectrum™ software.
- Achieve the best uniformity, whether you need to set a gap that is perfectly parallel or slightly tilted.

## Improve Tool-to-tool Process

Improve tool-to-tool process uniformity with objective and repeatable gap adjustments.

- Have peace of mind by taking the human variable out of adjusting your equipment.
- Make the right adjustments time after time.

Specifications	
Form factor	Available in 200mm and 300mm
Part numbers	AGS200 (200mm) AGS300 (300mm)
Software	CyberSpectrum
Accuracy	Gap accuracy of $\pm 0.025$ with gaps of 15mm within 4 hours of field calibration. Resolution of 0.005mm
Housing material	Anodized aluminum
Weight	225 g (200mm), 400 g (300mm)
Operating pressure	$<10^{-6}$ to 760 torr
Operating temperature	20 to 70 °C
Battery-duration	>4 hrs. per charge, 8 hrs. typical
Communication	Bluetooth, 2.4 GHz, USB 1.1
Operating system	Windows 10
Product components	Gapping measurement device, charging clean case, carrying suitcase, USB communications link module and application software
Calibration	Factory recalibration recommended annually
Options	AGS15 Fixture with a NIST traceable gap used to check/set AGS gap measurement accuracy

- Enable anyone to set the same gap across the tools.

## Reduce Equipment Calibration

Reduce time through live feedback.

- See the effects of adjustments in real-time.
- Have a clear indication when equipment settings are within tolerance using measurements that can be taken from inside an evacuated process chamber.

## Speed Setups

Speed setups, maintenance and troubleshooting with automatic handling.

- Save time and expense.

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

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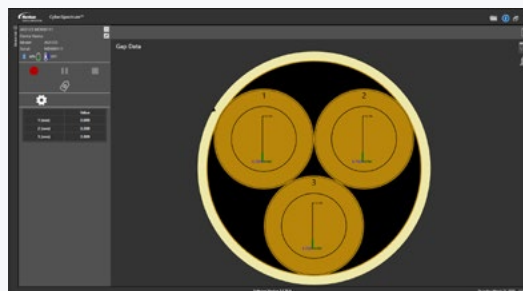
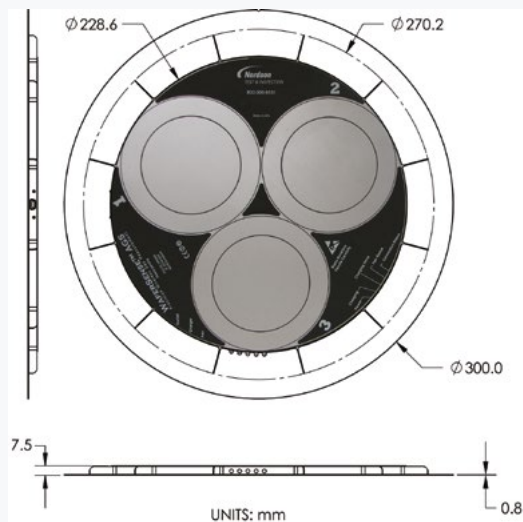
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## Dimensions (AGS300)



Real-time data.

## CyberSpectrum™ Software

Displays real-time numerical and graphical data. Easily identify if it is above, below or within the target gap range. View log file data for review and analysis.