Save Time **Save Expense** **Improve Yields**

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

WS

WaferSense®

Auto Multi Sensor™ (AMS)

Metrology Sensors

Speed vibration, leveling and humidity measurements with an all-in-one measurement device. Improve yields.

Leveling + **Vibration** + **Humidity**

Nordson
Test & Inspection

WaferSense® Auto Multi Sensor™ (AMS)

Speed Equipment Qualification

With wireless measurements.

- Collect and display acceleration, vibration, leveling and humidity data.
- Monitor humidity in wafer environments.
- Use the Auto Multi Sensor with new CyberSpectrum™ software for real-time equipment diagnostics.
- See the effects of adjustments in real-time, speeding equipment alignment and set-up.

Shorten Maintenance Cycles

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

- Thinner 4.5mm form factor provides access to more chambers.

- Operates at higher temperatures.
- Keep the process areas unexposed to the fab environment with vacuum compatible AMS.
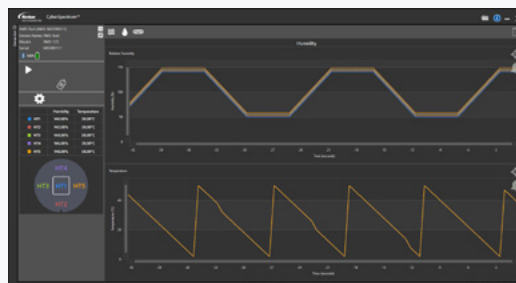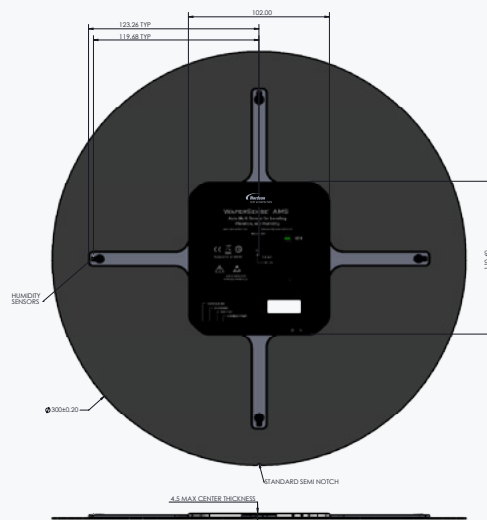
Lower Maintenance Expenses

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

- Take the human element out of adjusting your 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.

Specifications	
Form factor	Available in 150mm, 200mm, and 300mm
Part numbers	8023248 (150mm), 8023246 (200mm), 80330529(300m)
Software	NordsonSpectrum
Accuracy	Horizontal accuracy : ± 0.03 deg within ± 7 deg from absolute. Horizontal resolution: ± 0.002 deg within ± 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: ± 4G
Relative measurements	Zero position may be set to any reference plane within the system's operating range for easy relative measurements
Humidity accuracy	± 2% RH
Humidity measurements	1 Relative Humidity (RH) sensor (150mm and 200mm) 5 Relative Humidity (RH) sensors in one wafer (300mm)
Housing material	Carbon fiber composite
Weight	160 g (300mm), 107.6 g (200mm), 91.9 g (150mm)
Thickness	4.5mm thick
Operating pressure	$<10^{-6}$ to 760 torr
Operating temperature	20 to 80 °C for extended periods. Up to 130 °C for shorter periods.
Battery-duration	>1 hour per charge. Inductive wireless charging and handsfree operation.
Communication	Bluetooth, 2.4 GHz, USB 1.1
Operating system	Windows 10
Product components	Auto Multi Sensor measurement device, charging clean box, carrying suitcase, USB communications link module and application software
Calibration	Factory recalibration recommended annually

Dimensions (AMS 300C)

Real-time data.

NordsonSpectrum Software

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

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

www.nordson.com/TestInspect

DS-AMS-170125

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