



Save Time Save Expense Improve Yields

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



ReticleSense®

Auto Multi Sensor™ (AMSRQ)

Metrology Sensors

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



Leveling



Vibration



Humidity

Speed Equipment Qualification

With wireless measurements.

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

Shorten Maintenance Cycles

With reticle-like form factor.

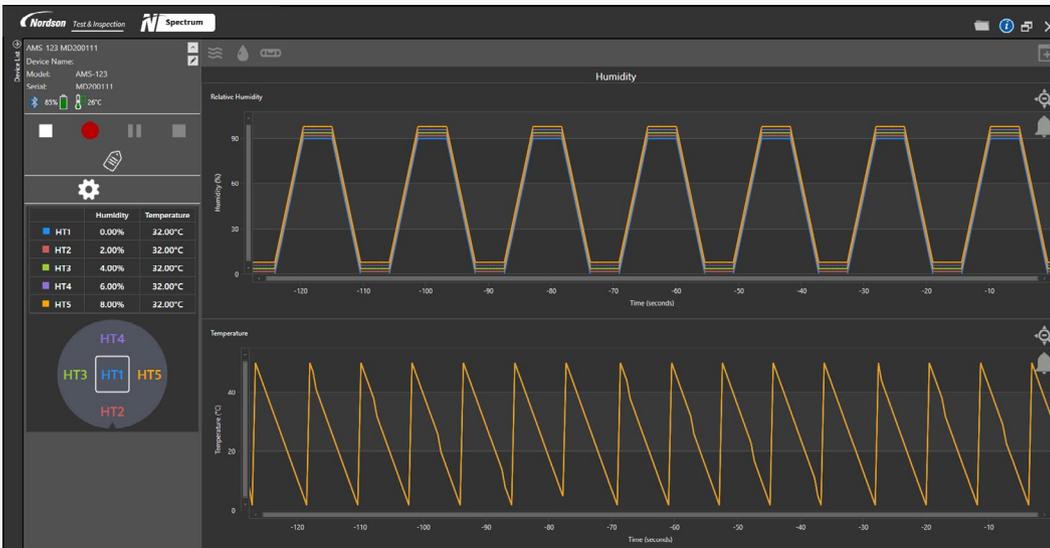
- 6" reticle sensor travels anywhere a reticle goes.

- Keep the process areas unexposed to the fab environment with vacuum compatible AMSR.

Lower 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 6" reticle shaped form factor
Part numbers	8023277
Software	Nordson Spectrum
Accuracy leveling	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
Range vibration	Reports accelerations in three directions: x, y, and z and RMS display allows quick, objective measurements. Operating range: ± 4 G.
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
Housing material	Reticle quartz housing compatible with most all mask equipment and scanners
Weight	340g (± 15g)
Thickness	6.35mm; standard 6" reticle format
Operating pressure	<10 ⁻⁶ to 760 torr
Operating temperature	20 to 80 °C
Battery-duration	>1 hour per charge. Inductive wireless charging and handsfree operation
Communication	Bluetooth, 2.4 GHz
Operating system	Windows 11
Product components	Auto Multi Sensor measurement device, charging clean box, carrying suitcase, USB communications link module and application software
Calibration	Factory recalibration recommended annually

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

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Nordson Spectrum Software

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

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

