

WaferSense® Auto Humidity Sensor (AHS)

AHS

- **Speed relative humidity measurements with all-in-one measurement device. Improve yields.**



Humidity



Speed equipment qualification with wireless measurements.

- Collect, display and monitor humidity in wafer environments.
- Use the Auto Multi Sensor with MultiView™ and MultiReview™ software for real-time equipment diagnostics.
- See the effects of adjustments in real-time, speeding equipment alignment and set-up.

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.
- Keeps the process areas unexposed to the fab environment with vacuum compatible AHS.

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.

Semiconductor fabs and OEMs worldwide value the accuracy, precision and versatility of the WaferSense AHS – The most efficient and effective wireless measurement device for relative humidity.



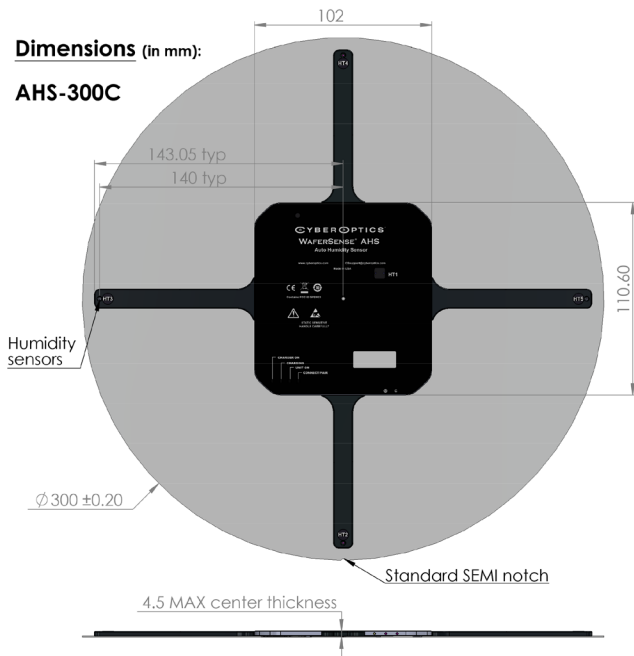
Save Time. Save Expense. Improve Yields.

CYBEROPTICS®

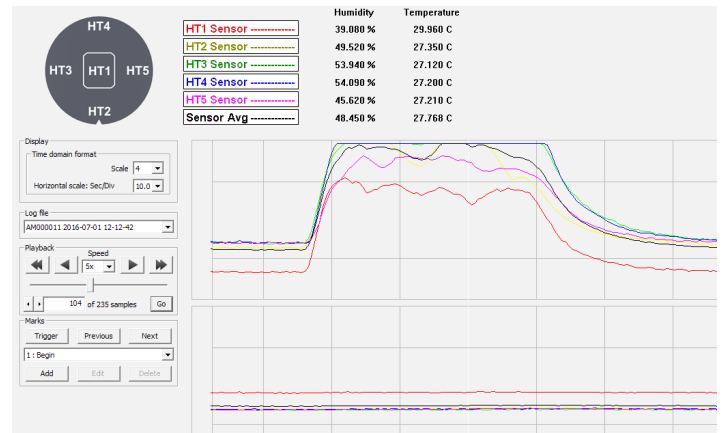
Features*

Wireless and battery-powered	Available in 300mm
Easy-to-use software	MultiView and MultiReview software included MultiView: Displays real-time visual feedback. Digital readout allows more precise adjustment MultiReview: Replays log file data for review and analysis
Humidity accuracy	+/- 2% RH (2.5-85% RH)
Humidity measurements	5 Relative Humidity (RH) sensors in one wafer
Durable housing	Carbon fiber composite
Lightweight	140 grams (300mm)
Thin	4.5mm maximum center thickness
Operating pressure	<10e-6 to 760 torr
Operating temperature	20 to 80 degrees C for extended periods. Up to 130 degrees C for shorter periods
Battery-operation	Up to 4hrs per charge, non-contact inductive charging
WaferSense Link	Bluetooth, 2.4 GHz, USB 1.1, dimensions 92mm x 58mm x 28mm
Operating Systems	Windows 7, XP, Vista
Product components	AHS measurement device, charging clean box, carrying suitcase, USB communications link module and application software
Calibration	Factory recalibration recommended annually

*Preliminary specifications subject to change without notice



MultiView™



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Contact CyberOptics today for your complimentary on-tool demonstration
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