

# 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 Humidity Sensor with CyberSpectrum™ 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.**

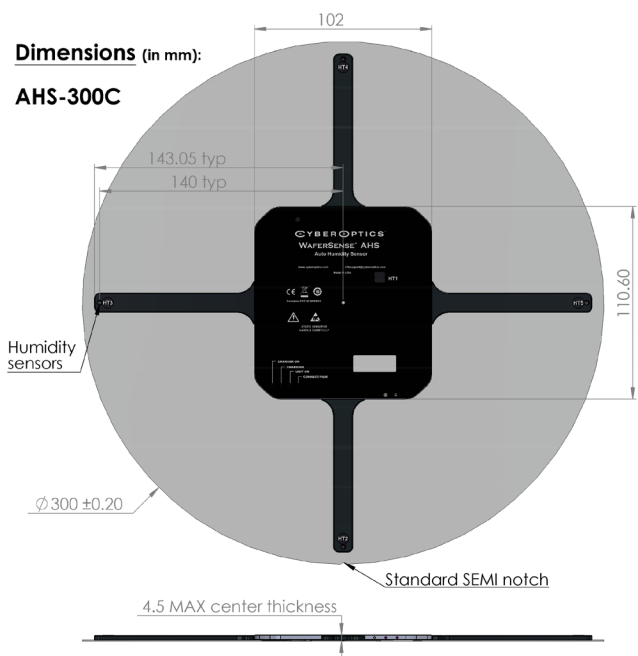


**Save Time. Save Expense. Improve Yields.**

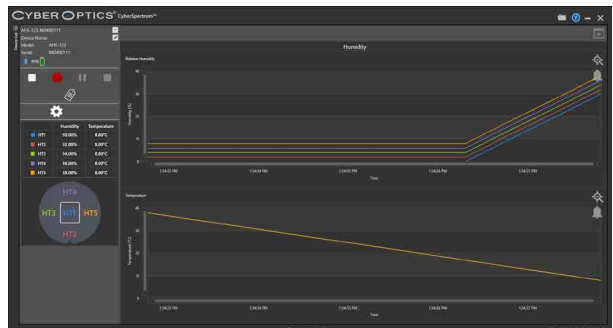
**CYBEROPTICS®**

# Features\*

<b>Wireless and battery-powered</b>	Available in 300mm
<b>Easy-to-use software</b>	CyberSpectrum software included CyberSpectrum: Displays real-time visual feedback. Digital readout allows more precise adjustment. Review functionality integrated; replays log file data for review and analysis
<b>Humidity accuracy</b>	+/- 2% RH (2.5-85% RH)
<b>Humidity measurements</b>	5 Relative Humidity (RH) sensors in one wafer
<b>Durable housing</b>	Carbon fiber composite
<b>Lightweight</b>	140 grams (300mm)
<b>Thin</b>	4.5mm maximum center thickness
<b>Operating pressure</b>	<10e-6 to 760 torr
<b>Operating temperature</b>	20 to 80 degrees C for extended periods. Up to 130 degrees C for shorter periods
<b>Battery-operation</b>	>1 hour per charge. Inductive wireless charging and handsfree operation.
<b>WaferSense Link</b>	Bluetooth, 2.4 GHz, USB 1.1, dimensions 92mm x 58mm x 28mm
<b>Operating Systems</b>	Windows 7, 8, 10
<b>Product components</b>	AHS measurement device, charging clean box, carrying suitcase, USB communications link module and application software
<b>Calibration</b>	Factory recalibration recommended annually



## CyberSpectrum™



Real-time data.



Contact CyberOptics today for your complimentary on-tool demonstration  
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