

OMNI RF DIAGNOSTIC CART

Calibrate with Accuracy, Optimize with Confidence.



Advanced Energy



Optimize RF power delivery for critical semiconductor processes.

Advanced Energy's Omni™ RF diagnostic cart integrates the Gemini 5540 RF power meter with PowerInsight, an IoT enabled data ecosystem.

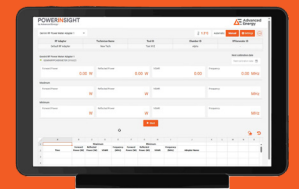
This solution ensures precise power delivery to the tool by verifying the delivered power from RF generators.

Features

- One RF power meter (combination of sensor and meter design) can be configured up to six frequencies
- Power accuracy of $\pm 0.5\% + 0.5 \text{ W}$ across power range
- Frequency range band of 0.2 to 200 MHz, 5 kW
- Automatic or manual modes of measurement
- Metadata tagging and data storage capability for long term monitoring
- Local and remote monitoring access via touchscreen, HDMI, USB-C, or LAN
- Dashboards and alerts for visualization and predictive analytics
- Data export to CSV file
- Mobile cart with four locking swivel casters

Benefits

- Optimize RF power delivery for critical semiconductor processes
- Configuration of up to 6 frequencies within a single sensor lowers investment cost (covers 400 kHz, 2 MHz, 13.56 MHz, 27 MHz, 40 MHz, 60 MHz, and more)
- Yearly calibration of the sensor – ease of maintenance and lower operating costs
- Agnostic – measures RF power from non-AE power products
- Accessibility to sensor for ease of calibration and servicing
- Unique data collection features to track trends and reduce equipment downtime and operational costs
- Mobile design for easy navigation within fabs
- Customizations provided upon request



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