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Mini-Circuits Introduces Mini-Bench™ RF Measurement Platform for Streamlined Power Sensor Testing

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Content

Mini-Circuits, a global supplier of RF, microwave and millimeter-wave components and test solutions, will introduce **Mini-Bench™**, a new RF test and measurement software platform designed to simplify instrument setup, improve workflow efficiency and provide engineers with enhanced tools for measurement visualization and analysis at European Microwave Week 2026, October 6–8 at ExCeL London in Booth A40A.

Mini-Bench provides a modern, intuitive user interface for Mini-Circuits' PWR-Series high-performance power sensors. The platform lets users control multiple USB- and Ethernet-connected instruments from a single interface while speeding up setup and configuration. Built on customer feedback and real-world application requirements, Mini-Bench streamlines common measurement tasks while maintaining access to advanced test capabilities. The software supports Windows, macOS, and Linux systems.

Advanced Measurement and Analysis Tools

Mini-Bench gives engineers and technicians a flexible environment to configure measurements and analyze RF signals. Customizable measurement displays allow users to organize information for specific test requirements, while graphical tools provide greater visibility into device and system performance.

Measurement capabilities include graphical power trend plots, pulse and modulation profile traces, dual profile traces for high-resolution analysis, measurement averaging, offset and relative measurements, and markers with delta-marker calculations. Users can also export measurement data and graph traces and schedule recordings for longer-term testing and analysis. A simulated sensor capability enables users to evaluate the software and become familiar with its operation before connecting hardware.

The Mini-Bench interface can display multiple sensor measurements simultaneously while providing detailed graphical views of pulse and modulation characteristics. Instrument status, measurement values, configuration controls, and graphical analysis are brought together in a single workspace, helping users move efficiently from setup through measurement and analysis.

Designed for Mini-Circuits' PWR-Series Power Sensors

Mini-Bench complements Mini-Circuits' expanding family of PWR-Series RF and microwave power sensors. The product family includes sensors covering frequencies up to 40 GHz and supports

measurements from CW and single-tone signals to pulsed signals and modern digital modulation formats.

Simplifying the RF Test Workflow

By combining instrument control, measurement configuration, visualization and data analysis in one platform, Mini-Bench helps reduce the time engineers spend configuring test equipment and managing separate measurement workflows. Its intuitive navigation makes the platform accessible to new users while providing the measurement and analysis functionality experienced RF test engineers require.

Mini-Bench software, supporting documentation and information on compatible PWR-Series power sensors are available from Mini-Circuits at <https://www.minicircuits.com/WebStore/RF-Smart-Power-Sensors.html>.

Supporting Links:

<https://www.minicircuits.com/WebStore/RF-Smart-Power-Sensors.htm>

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Contacts:

Contact Type: Media Contact

Name: Brandon Kaplan

Email: brandon_k@minicircuits.com

About Us:

Heading : About Mini-Circuits

Mini-Circuits makes the building blocks that shape the wireless world. From communications networks and critical national security systems to life-saving diagnostic imaging, quantum computing and more, we support the world's most innovative companies in building a faster, smarter, more connected future with the power of RF, microwave and millimeter wave technology. Headquartered in Brooklyn, New York with design, manufacturing and sales locations around the world, we're a diverse, rapid-growth corporation that hasn't outgrown what it means to treat our team members, customers, suppliers and partners like family. 20,000+ customers prefer Mini-Circuits for the demanding quality standards, design and manufacturing capabilities, sales and applications support, and supply chain stability that have earned the industry's trust since 1968. Visit www.minicircuits.com.