

Product Overview

InsightPro Measurement and Modeling Device Characterization Software

InsightPro is the industry's premier unified software suite, designed to accelerate component and sub-system measurement and model extraction workflow for R&D, design verification, and small-scale production testing. Built with a measurement-first approach, InsightPro serves as the primary software interface for instrument-agnostic small-signal and large-signal characterization in both 50Ω and non50Ω environments. By streamlining data collection, management, and analysis into a single software suite, it enables engineers and researchers to make informed decisions with confidence.

KEY SPECIFICATIONS AND FEATURES:

- Flexible bench configuration for easy instrument/DUT setup to match any workflow.
- Automated, multi-instrument calibration workflows empower users to achieve high accuracy results across diverse setups with minimal user intervention.
- Built-in system calibration verification for accuracy before data collection begins.
- Comprehensive small-signal, large-signal, and pulsed testing captures real-world device behavior for reliable design and modeling.
- Powerful visualization and analytics suite empowers users to quickly interpret results, extract models, and drive faster design decisions.

NT Series Automated Impedance Tuners

The NT series tuners enable engineers to determine optimized matching conditions to extract noise parameters and maximize output power or power-added efficiency. The tuners' compact and direct probe connection simplifies on-wafer integration, effectively maximizing VSWR at the DUT reference plane and minimizing phase skew for modulated signals. Patented closed loop feedback motor control enhances measurement accuracy and repeatability.

KEY SPECIFICATIONS AND FEATURES:

- Compact, lightweight design optimized for seamless integration with on-wafer probe station.
- Direct connection to probe maximizes tuning range and reduces phase skew.
- Eliminates the need for external probe mounts, cables, and couplers.
- Minimizes transmission line lengths by bringing turning element closer to the DUT.
- Models are available with integrated low-loss, high-directivity coupler.

More Resources

Visit maurymw.com/info/eumw-2025 to learn more about Maury Microwave solutions.

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