



news & updates April 2026 | Issue 15

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Elevate Your Measurements with the AIM-TTi ADM1055



ADM1055 DMM
5½-digit bench multimeter



CEO's Corner

In modern electronics design, validation, and production, precision measurement is no longer optional—it's mission-critical. Whether you're characterizing sensitive analog circuits, validating power integrity, or ensuring compliance in production test, your instruments must deliver **repeatable accuracy, deep insight, and seamless integration.**

That's exactly where the **ADM1055 5½-digit bench multimeter** from Aim-TTi sets a new benchmark. Available now through Saelig Company, this next-generation DMM is engineered to meet the evolving demands of electrical engineers across R&D, manufacturing, and education.

What's New?

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• Quality

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Alan Lowne, CEO

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NEW: Aim TTI ADM1055 5.5 digit touchscreen multimeter

In modern electronics design, validation, and production, precision measurement is no longer optional—it's mission-critical. Whether you're characterizing sensitive analog circuits, validating power integrity, or ensuring compliance in production test, your instruments must deliver **repeatable accuracy, deep insight, and seamless integration**.

That's exactly where the [ADM1055 5½-digit bench multimeter](#) from Aim-TTI sets a new benchmark. Available now through Saelig Company, this next-generation DMM is engineered to meet the evolving demands of electrical engineers across R&D, manufacturing, and education.

At its core, the [ADM1055](#) delivers **0.02% basic DC accuracy**, providing the confidence engineers need when working with tight tolerances and high-performance designs. With sensitivity down to **1 μV, 1 mΩ, 10 nA, 0.01 Hz, and 100 pF**, the instrument is well-suited for everything from low-level signal analysis to precision resistance

measurements. This level of performance makes it an ideal solution for applications such as semiconductor characterization, sensor validation, and precision component testing—where even the smallest deviation matters.

However, precision is only part of the equation. The ADM1055 is designed to enhance **workflow efficiency and usability** through a modern, full-color touchscreen interface. Engineers can quickly access measurement modes, configure parameters, and interpret results without navigating complex menus. Advanced visualization tools—including **bar graph view, histogram mode, and statistical analysis displays**—enable immediate interpretation of measurement behavior. These features are particularly valuable during long-term monitoring, tolerance analysis, and comparative testing, where understanding trends is just as important as capturing raw data.

Flexibility is another defining strength of the **ADM1055**. With **nine comprehensive measurement modes**, engineers can cover a wide range of electrical parameters—including voltage, current, resistance, frequency, and capacitance—using a single instrument. This reduces bench clutter while increasing productivity, allowing engineers to focus on problem-solving rather than switching between tools. Additional capabilities such as **percentage deviation, linear scaling (Ax+b), and limits testing with PASS/HI/LO indicators** provide built-in analytical power that accelerates validation workflows.

For engineers working in automated or semi-automated environments, the ADM1055 integrates seamlessly into modern test systems. Its **USB interface and SCPI compatibility** make it easy to incorporate into existing setups, while Aim-TTI's free **Test Bridge software** enables remote operation, automated data logging, and multi-instrument coordination (supporting up to four devices simultaneously). This makes the ADM1055 an excellent choice for scalable test architectures, whether in production lines or advanced lab environments.



The instrument also includes a range of practical features designed to improve measurement accuracy and usability in real-world conditions. **Null and Ω Null functions** allow users to subtract lead resistance or baseline offsets, ensuring more accurate readings. **Hold and Touch & Hold functions** capture stable measurements for easy review, while built-in **dB measurement relative to a selected impedance** and **power calculations (V^2/R)** extend its utility into RF and power analysis applications. These capabilities eliminate the need for additional calculations or external tools, streamlining the entire measurement process.

From a design perspective, the **ADM1055** reflects Aim-TTI's reputation for high-quality engineering. Features such as **terminal illumination for guided connections**, a **resettable current trip circuit for protection**, and a **Kensington lock for security** demonstrate attention to detail that benefits both individual engineers and shared lab environments. The result is an instrument that not only performs at a high level but also integrates smoothly into daily workflows.

For electrical engineers seeking to upgrade their bench capabilities, the ADM1055 represents a compelling balance of **precision, versatility, and ease of use**. Whether you're developing next-generation electronics, optimizing production processes, or training the engineers of tomorrow, this advanced multimeter provides the tools needed to measure with confidence and efficiency.

Take control of your measurements with the [ADM1055](#)—engineered for accuracy, designed for insight, and built for the future of electronic test.

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