

2026

Q2 NEWSLETTER
MID-ATLANTIC EDITION

THE PROTEQ PULSE

*Your Quarterly Connection to the
Pulse of the Industry -*

PROTEQ
SOLUTIONS

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Transcat offers a large selection of rental, used, and refurbished equipment with thousands of instruments available for immediate delivery. Combined with expert support and service, these solutions provide a cost-effective way to meet your testing needs quickly and reliably.

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Join Us at IMS 2026 - Booth 1324

We're excited to share that ProTEQ Solutions will have a booth at IMS this year! Stop by Booth 1324 to meet the team and learn more about the innovative solutions we're bringing to the show

CONTACT INFORMATION





EXPANDING OUR MAURY MICROWAVE PARTNERSHIP IN NEW ENGLAND

We're excited to share that **ProTEQ Solutions** is now the **exclusive Maury Microwave representative for Device Characterization solutions in the New England region.**

Maury Microwave is a global leader in RF measurement, load pull, and device characterization technologies used by engineers developing next-generation semiconductor and RF devices. We look forward to supporting customers across the region with Maury's industry-leading solutions and expert technical guidance.



AUTOMATED IMPEDANCE TUNER SERIES



Maury Microwave's XT-Series and NT-Series tuners provide precise, repeatable impedance control for advanced RF testing. The XT-Series supports high-speed device characterization and VSWR sweeps, while the NT-Series is optimized for on-wafer measurements with maximum VSWR performance.

[LEARN MORE](#)



FREQUENCY RANGE

225 MHz to 330 GHz

MATCHING RANGE

up to 200:1

POWER HANDLING

up to 250W
CW/2.5W PEP

REPEATABILITY

up to -50dB

HARMONIC CONTROL

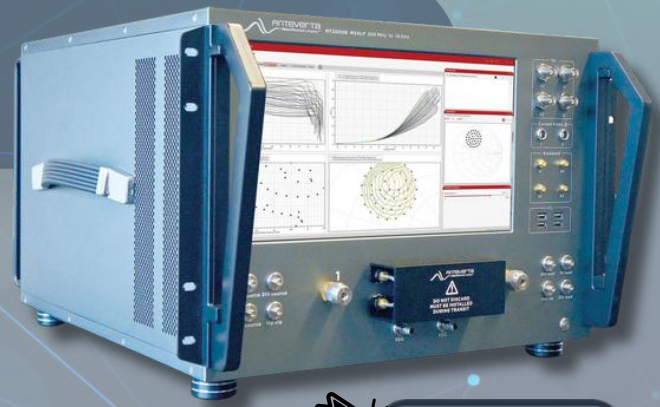
up to 3Fo

FEATURES AND BENEFITS

- Up to X2 faster mechanical movement vs prev. generation
- Up to -50 dB repeatability
- High Gamma (up to 200:1)
- High power handling (250W CW/2.5kW PEP)
- New tuner characterization validation process using MTune3
- New non-harmonically related multi-frequency impedance tuning using MTune3

MT1000-MT2000 SERIES ACTIVE TUNERS

The Maury MT1000 and MT2000 combine multiple RF test instruments into a single, turnkey load pull solution. Designed for speed, accuracy, and wideband impedance control, they streamline device characterization and nonlinear model validation..



[LEARN MORE](#)

FEATURES AND BENEFITS

- Single-tone, Pulsed, and Time-Domain NVNA measurements
- Up to 1000 impedance/power states per minute
- Maximum Smith chart coverage
- Modulation Bandwidth up to 1000 MHz
- Using ACPR and EVM measurement data in the design of wideband PA circuits
- Improve PA linearity based on controlled baseband terminations
- Reduce time-to market due to faster measurement speeds
- Compatible with 1-port and 2-port DUTs

FREQUENCY RANGE

1 MHz to 67GHz

BANDWIDTH

100 MHz to 1000 MHz

DYNAMIC RANGE

60 dB

MEASUREMENT SPEED

100/1000 pts /s

HARMONIC CONTROL

Fo/2Fo/3Fo

UCAL - UNIVERSAL VNA CALIBRATION MODULES AUTOMATED CALIBRATION KIT SERIES



Maury Microwave's uCal Universal VNA Calibration Modules simplify and accelerate VNA calibration by automating the connection of calibration standards. With integrated standards, onboard characterization data, and electronic switching, uCal reduces human error while delivering fast, accurate, and repeatable calibration results.



[LEARN MORE](#)

FEATURES AND BENEFITS

- Easily identify connector type, frequency range, and torque requirements
- Prevent expensive damage and downtime caused by attempted mating of incompatible connectors
- Uses IEEE P287 high frequency connector color code
- Part of a comprehensive family of color-coded cable assemblies, adapters, attenuators, and tools
- Low VSWR rating
- MIL-spec concentricity and pin depth

FREQUENCY RANGE

50 MHz - 18 GHz or
26.5 GHz

CONTROL INTERFACE

USB (direct VNA support
or via Maury Insight)

CONNECTOR TYPES

3.5mm, 7mm, Type N

REXGEAR

Your Power Solution Expert

IT6000C SERIES

LEARN MORE >>

BIDIRECTIONAL PROGRAMMABLE DC POWER SUPPLY

IT6000C series is a **bi-directional programmable DC power supply** which adopts the third generation SiC-base technology. It integrates the source and sink function in one unit. Based on these two functions, **IT6000C** offers the functionality of two-quadrant operation.



FEATURES AND BENEFITS

- Bi-directional energy, seamless transfer
- High energy regenerative efficiency
- Application for solar array simulation

LEARN MORE >>

IT7600 SERIES

LINEAR HIGH PERFORMANCE PROGRAMMABLE AC POWER SUPPLIES

The **IT7600 Series programmable AC power supplies** provide high-performance power testing with wide frequency output, built-in measurement tools, and scalable power up to 54kVA. Supporting single- and three-phase output with parallel expansion, they are ideal for renewable energy, power electronics, and compliance testing applications.



FEATURES AND BENEFITS

- 7" DSO function
- Output frequency up to 10-5000 Hz
- Strong master-slave paralleling function
- Built-in abundant waveform database
- Support CSV file to import waveforms
- Strong harmonic simulation capability



TELEDYNE LECROY
Everywhere you look™

BLUETOOTH & WIFI PROTOCOL ANALYZERS

Frontline X700 Wireless Protocol Analyzer

Powerful One-Box Wireless Test Solution with Wi-Fi 7

The **X700 Wireless Protocol Analyzer** is the industry's most advanced one-box test solution for wireless product development. The **X700** captures Bluetooth in 2.4/5/6 GHz frequency bands simultaneously so you can debug without missing packets. The unique Wi-Fi 7 tri-band feature allows capture of three Wi-Fi channels on any three bands for multi-link operation (MLO) testing. Supporting decodes for the latest Matter, Thread, Zigbee and wired technologies, the **X700** delivers unparalleled capture performance in complex multi-technology environments.



Bluetooth (2.5/5/6 GHz)
TECHNOLOGY

Wi-Fi 7 MLO (Triband)
TECHNOLOGY

802.15.4
TECHNOLOGY

[▶ LEARN MORE](#)

[Click HERE to Request a Demo ▶](#)

Frontline X240 Wireless Protocol Analyzer

Flexible and Portable

The **Frontline X240 Wireless Protocol Analyzer** captures information streaming between wireless devices and can do so utilizing various technologies including Bluetooth, Wi-Fi, and 802.15.4. It is paired with the powerful **Teledyne LeCroy Wireless Protocol Suite** software to provide developers with a robust set of analysis tools including Bluetooth protocol analysis, Bluetooth audio analysis, and spectrum analysis.



Bluetooth (BR/EDR/LE)
TECHNOLOGY

Wi-Fi 5
TECHNOLOGY

802.15.4
TECHNOLOGY

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- PRESSURE & FLOW
- TEMPERATURE & HUMIDITY
- LAB EQUIPMENT & LIQUID HANDLING
- RECORDERS & DATA ACQUISITION
- WIND TURBINE TOOL KITS



ims 26 BOSTON

We're excited to share that **ProTEQ Solutions** will have a booth at IMS this year! Be sure to stop by, meet the team, and learn more about the innovative solutions we're bringing to the show. We'd love to connect with you in person.



PROTEQ
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BOOTH # 13024

[CLICK HERE FOR MORE INFO](#) →

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Anritsu

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 **FORMFACTOR™**

BOOTH # 19048

 **HYPERLABS**

BOOTH # 16019

In-Phase
Technologies, Inc.

BOOTH # 19017

 **MAURY**

BOOTH # 16027 & 16028

MI-WAVE
Millimeter Wave Products Inc.

BOOTH # 13054

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"BRIDGING INNOVATION AND INDUSTRY"



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