

TURBO Test



Product Overview

Today's electronic meters are far more than energy measurement devices. They monitor power quality, manage service disconnect switches, verify network connectivity, and run complex time-of-use programs. Testing all of these capabilities takes time—and when your shop is processing hundreds or thousands of meters, time is the resource you can least afford to waste.

Built by Radian Research as part of the WATT-Net platform, TURBO Test accelerates meter testing by communicating directly with the meter during the test process. Instead of running individual test points one at a time, TURBO Test reads the meter's own internal data or switches the meter into an accelerated test mode—dramatically reducing the number of test steps and the time required to complete them.

TURBO Test consolidates what were previously four separate licenses—MQ Scripting, Functional Testing, Sensus Spotlight, and Landis+Gyr TechStudio—into a single feature. One license covers all supported manufacturers, with centralized settings that synchronize automatically across every test station.

Key Capabilities

Accelerated Accuracy Testing

TURBO Test offers two approaches to accelerated testing, depending on the meter manufacturer and model. Both approaches are designed to reduce test time while maintaining the measurement rigor your operation requires.

- Register-read testing: for supported meters, WATT-Net reads the meter's internal energy registers and compares per-phase readings against the Test Board's reference measurements—three test steps produce twelve accuracy results
- Accelerated pulse testing: for meters that support fast test pulse mode, the meter outputs test pulses at a much higher rate, allowing each test point to complete in a fraction of the normal time
- Results are calculated, stored, and reported within WATT-Net alongside standard test data

Automated Functional Testing

Beyond accuracy, modern meters need their operational features verified before deployment. TURBO Test automates functional testing by communicating directly with the meter's management platform—reading alarms, verifying programming, testing disconnect switches, and confirming network connectivity during the same test session.

- Automated alarm review, recording, and reset during the test process
- Program verification and firmware version

RADIAN's TURBO Test delivers the speed, automation, and manufacturer coverage your shop needs to keep pace with today's metering technology—all under one license, with one interface, and one set of centralized settings.

Unified Licensing and Centralized Configuration

TURBO Test replaces four separate license products with a single feature that covers all supported manufacturers. Configuration settings are stored centrally in the database and synchronized automatically across all test stations—eliminating local configuration files and manual distribution.

- Centralized database storage replaces local XML configuration files
- Model-specific meter selection in the TURBO Test dropdown reduces configuration errors
- Seamless migration preserves existing settings when upgrading from prior individual licenses

Supported Meter Manufacturers

RADIAN maintains direct integrations with the major meter manufacturers, enabling TURBO Test to communicate with each platform using the manufacturer's own protocols and interfaces.

- Aclara
- Landis+Gyr via TechStudio integration and ANSI protocol
- Honeywell via ANSI protocol
- Sensus via Spotlight API integration
- Schneider Electric via direct ION integration

WECO Test Board Compatibility

TURBO Test runs on WECO Test Boards, leveraging the same hardware your shop already uses for standard accuracy testing. No additional test equipment is required.

- Compatible with WECO 2350 Test Boards
- Compatible with WECO 4050X, 4150X, & 4330X Test Boards
- Runs within the existing WATT-Net software environment

Organizational Outcomes

- Simplified licensing—one module replaces four separate products, covering all supported manufacturers
- Increased meter testing throughput without additional staff or equipment investment
- Shortened AMI deployment timelines by removing the meter testing bottleneck
- Centralized, auto-synchronized settings across all test stations eliminate configuration drift
- Comprehensive test documentation combining accuracy and functional results in a single record
- Lower cost per meter tested through faster cycle times and reduced manual intervention

Pricing

Single license fee covers all supported manufacturers. [Contact RADIAN](#) for pricing details.



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