

leagend Details Technical Features of leagend BT1000 Battery Tester with Bluetooth Functionality

leagend BT1000 is a 12V battery and electrical system tester featuring built-in Bluetooth connectivity.

NEW YORK, NY, UNITED STATES, July 7, 2025 /EINPresswire.com/ -- Effective battery diagnostics have become increasingly reliant on remote monitoring tools that offer convenience, accuracy, and data traceability. leagend BT1000 is a 12V battery and electrical system tester featuring built-in Bluetooth connectivity. It enables seamless interactions with iOS and Android mobile applications, allowing users to remotely access test results, monitor battery health, and generate printable reports in real time.

Bluetooth-Enabled Mobile Testing

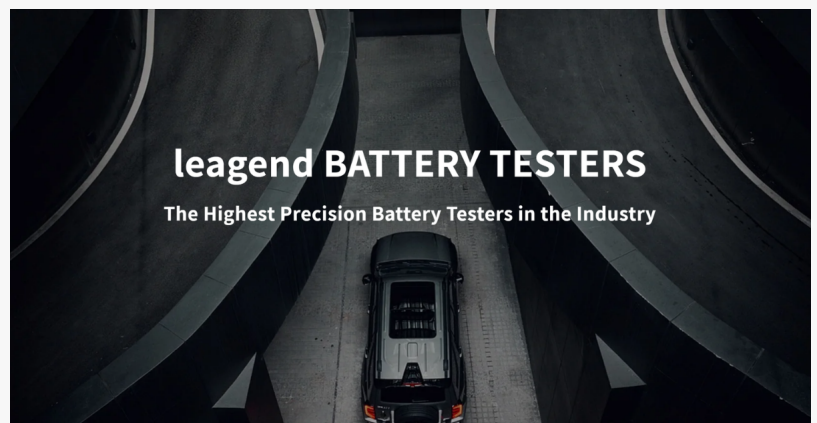
At the core of leagend BT1000's functionality is its Bluetooth wireless interface, designed to pair with the free leagend BT1000 mobile app available on both iOS and Android platforms. Through this connection, technicians can initiate diagnostic tests, view results live on their mobile screens, save historical data, and download or forward test records for documentation. Firmware updates are also performed remotely via the app.

leagend®



BT1000

leagend BT1000



leagend battery testers

This mobility-centric design is suited to technicians working in airports, battery service centers, fleet maintenance operations, and field services, where device portability and data flexibility are essential.

Key Diagnostic Capabilities

Battery Parameter Analysis

leagend BT1000 evaluates critical battery metrics including Cold Cranking Amps (CCA), internal resistance, voltage, State of Charge (SoC), and State of Health (SoH).

It supports a wide range of battery types—flooded, VRLA/GEL, AGM flat spiral, and EFB—across voltage ratings from 6V to 31.5V, and CCA values from 40 to 2,000A.

Starting and Charging System Tests

Beyond battery health, leagend BT1000 includes functionality for evaluating both starter and charging systems (12V), detecting alternator defects, voltage drops, and overall system performance through a single, integrated testing routine.

Design, Protection, and User Interface

Rugged Portability

Resilient casing and detachable clamps enable the BT1000 to withstand workshop and field environments.

Safety Protections

The device integrates safeguards against reverse polarity, short circuits, and over-voltage conditions—features that protect both the unit and the vehicle battery during diagnosis.

Bluetooth App and Reporting Tools

The included leagend BT1000 mobile app expands the device's utility. Users can:

- Start and monitor tests via Bluetooth

- View detailed CCA, internal resistance, SoC, SoH, and charging system diagnostic data in real time

- Access time-stamped results and logs for historical trend analysis

- Share or print reports directly from their smartphone



Trigger firmware updates and unlock new protocol support

With over a thousand downloads globally, the app facilitates remote diagnostics, fleet record management, and mobile service workflows.

Role in leagend's Battery Tester Family

leagend BT1000 complements leagend's established tester lineup, which includes:

leagend BA1000 and leagend BA2000 – 12V/24V lead-acid testers with thermal printers

leagend BA4000 series – 6V/12V/24V units featuring color displays and memory storage

leagend BA510/leagend BA550/leagend BA640 – Color-screen testers for visual diagnostics

LiFePO₄ and internal resistance testers – For advanced chemistries and precision analysis

Among these, leagend BT1000 distinguishes itself through its Bluetooth connectivity, mobile reporting, and app-based firmware upgrades—ideal for environments that require portability and digital record-keeping.

Operational Use Cases

Automotive Workshops and Fleet Services

Technicians can perform full system tests, access results on mobile devices, and remotely share diagnostics with customers or centralized maintenance teams.

Battery Retail and Warranty Centers

Retail staff benefit from Bluetooth-driven workflows for batch testing and documenting battery conditions for warranty claims.

Field Service and Roadside Assistance

Mobile technicians can test on-site vehicles, upload data to centralized systems, and order replacements or schedule maintenance based on real-time diagnostics.

OEM and Maintenance Integration

[The leagend BT1000](#) fits seamlessly into service vans and diagnostic kits, where its easy reporting and app support enhance maintenance service delivery.

[About leagend](#)

leagend is a top technology-driven manufacturer specializing in the research, development, and production of automotive diagnostic tools and battery management solutions. Established in 2005, the company has maintained long-term capabilities in product innovation, engineering, and manufacturing.

leagend produces a comprehensive range of OBD II diagnostic tools, battery testers known for high measurement accuracy, battery monitoring systems designed for low power consumption, and intelligent 8-step battery chargers developed for automotive, industrial, energy storage, and backup power applications.

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