

RFID/BLE Tag Tester



Tag Tester shown on a desktop surface reading a metal mount tag on a tool



Standalone Tag Testing

The Venture Research Tag Tester is a self contained RFID/ BLE Reader with an integrated display to show the register contents and performance of the tag. The EPC, TID and User memory of the tag is shown in the integrated display.

Cost Effective Plug and Play Solution

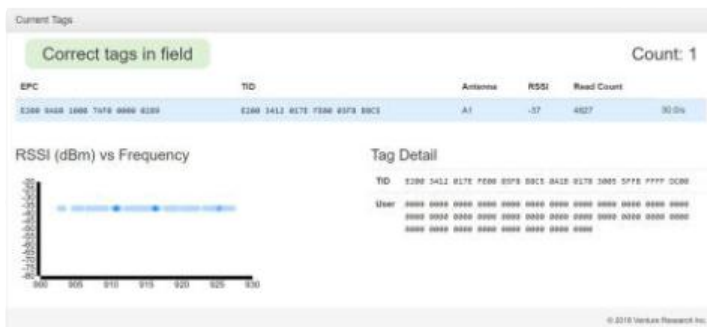
The Tag Tester from Venture Research is a desktop solution that requires no previous experience with an RFID/BLE reader. No set-up or external host running an application is required. All the user needs to do is connect power via the included POE Power Injector. Self-booting, the Tag Tester is ready to read and display on its integrated screen tag data in less than a minute.

The Built In Tag Testing Application Displays the Following:

- Gen 2 RFID Tag Read counts and RSSI levels in real-time
- Gen 2 RFID tag memory contents including 96 bit EPC, 96 bit TID and up to 128 bits of User Memory
- BLE tag MAC address

RFID Tag Characterization Data

Using a web browser connected to the reader, you can easily view a real-time plot of an RFID tag's RSSI level vs Frequency. Suitable for RFID tag characterization testing to determine that a tag can be read across the usable band when placed on material.



Features	Benefits
Antenna and reader integrated in same package	No need for an external antenna
LCD Touch Screen	Provides all tag attributes on built in screen
Both Passive RFID and IoT Active reading technology built in	Read both Gen 2 RFID tags as well as BLE tags with the same reader
Tri Color LED on Edges	Gives operator feedback directly on the status of the reader
802.11b/g WiFi, RS232, GSM or Direct Ethernet connectivity	Flexible connectivity options when transmitting tag data
POE (Power over Ethernet) or direct power	Reduces cabling and power requirements
Can act as a wedge to enter tag data to a Computer through USB	Add tag reads directly into applications such as Excel and Word

24 x 7 x 365 Support

Venture Research maintains a world class support organization that can provide real time monitoring and alerting of system operability. To learn how our Curve Verifier and Encoder Solutions can work for you, or to find out more about Venture Research's products and solutions, contact us at 866.RFID.111 or 469-246-4000 or visit us at www.ventureresearch.com

Specifications

Electrical Specifications

Model	TAG_TESTER-001_XX
RFID Reader	1 Watt(30dBm) class 1 GEN2 (ISO 18000-6c) reader, US (902-928 Mhz) and also available for ETSI (865-868 MHz) European frequency band
Power	POE or Direct connect at 12V - 1.5 A, Optional Battery Backup
Diagnostic Indicators	Red, Yellow and Green diffuse LEDs for local notification and diagnostics
RFID Antenna	1 Integrated Antenna, 1 external SMA Jack to connect a second antenna

Interfacing

Connection	Serial, Aux Serial, Ethernet Cat5/6 (RJ45), USB-A, WiFi (802.11 b/g), BLE, Optional Cellular, Keyboard Wedge (KBW) compatible
Protocol	Simple text based configuration and tag read stream (via Telnet). Online help is built in for all commands. Up to 5 independent simultaneous sessions.
Cloud Computing	Store and Forward with all filtering/aggregation being performed in the reader. Direct Web Service update capability using HTTP Post. SD Card storage.
BLE (Low Energy Bluetooth)	Can read both Eddystone and iBeacon protocols
I/O	2 In/2 Out Conditioned

Displays

LCD Touch Screen	2.25" x 1.75"
Edge LEDs	R,Y,G continuously variable programmable LEDs for operator feedback



Tag Tester Options

Base Tag Tester Configurations

Reader Surface - Base	TAG_TESTER-001_XX
Power	Part Number
Battery Backup	TAG_TESTER-OPT-BATT-PACK
Battery Charger – Single Battery	TAG_TESTER-OPT-BATT-CHRG1
Battery Charger – Quad Battery	TAG_TESTER-OPT-BATT-CHRG4
Spare Battery	TAG_TESTER-OPT-BATT
POE Injector – 48v	TAG_TESTER-OPT-INJECT

Communications

4G LTE Module	TAG_TESTER-OPT-CELL
Carrier Service – 1 Year	TAG_TESTER-OPT-CELL-CARRIER

Cabling

Serial Interface Cable to USB	TAG_TESTER-OPT-USB-SER
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Software/OS

Operating System	Linux
Applications	RFID and BLE Tag Verification, RFID Tag characterization testing for tool management, Pharmaceutical expiration tracking

Warranty

- 1 year parts and labor
- Post 1 year maintenance agreement available

Specifications are subject to change without notice