

SPECIALTY TOOLS • ABRASIVES • TRAILER TESTERS

#5510A-L4RT8

# ALPHA MUTT® W/ ABS, BUILT-IN BATTERY & RUGGED TABLET

**BENCH-TOP MODEL**



## One-Man, Battery-Powered Trailer Inspection System that Tests a Trailer Without a Truck!

This easy-to-use trailer tester integrates all aspects of trailer service and repair with advanced ABS, lights and digital air brake diagnostics. It includes an internal LiFePO4 battery and requires no set-up or monthly fees.

### Features and Benefits

#### Electrical Testing (12/24 Volt Operation)

- Automatic cross, open, overload, short and ground fault detection
- Highly accurate digital ammeter with 1mA resolution
- Chase down short circuits with Pulsar® mode
- Ground failure detection: differentiates between wire and chassis ground
- Cable testing
- Control lights by remote or rugged tablet

#### Air Brake Testing

- Dual regulators
- Rugged tablet or remote-controlled air brake activation
- Real-time, repetitive brake activation to find developing problems and verify leaking servo cans
- Perform leakdown tests in service and emergency lines

#### ABS Testing

- Reads and clears codes on front panel or rugged tablet
- Accesses ECU data; manufacturer, make, model, etc.
- Displays diagnostic troubleshooting information
- Automatically detects corroded ABS wires and faulty ECUs with patent-pending technology

#### Truck-Side Testing

- Tests continuity to trailer connectors of tractor
- Tests air brake output at tractor gladhands



### Included Accessories

Sealed, Waterproof Faceplate with Illuminated Stainless Steel Pushbutton Switches

Dual-Line 32-Character Digital Screens; Readable in Direct Sunlight

Digital Air Brake Control Panel

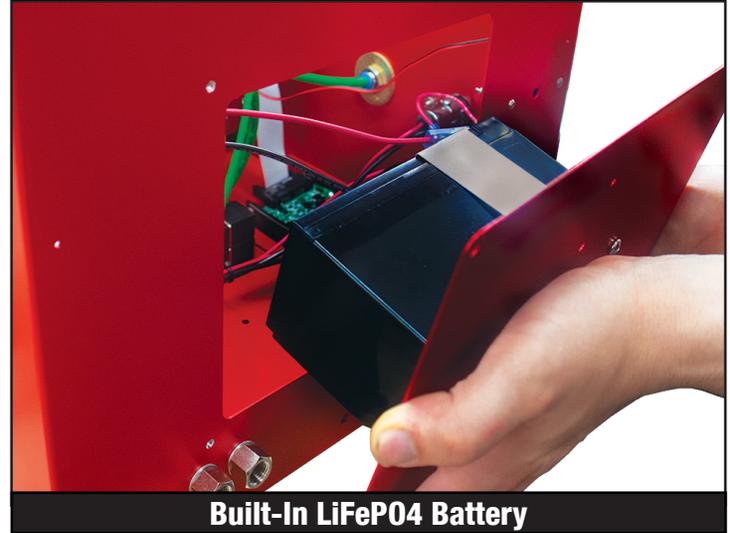
ABS Quick-View Diagnostics



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*Environmentally Safe, Long Lasting and Stronger Battery*

- LiFePO4 batteries are superior to other lithium and lead acid batteries
- Lithium iron phosphate composition is non-toxic and naturally non-combustible
- Lighter and safer than standard lithium ion batteries
- Stronger charge efficiency and greater discharge capabilities
- Longer lifespan - get more inspections out of one charge
- Get 10 - 20 PM inspections per charge
- No memory effect - will not lose charge longevity over time
- Withstands extreme temperatures (-4°F - 165°F) with a peak reach of 930°F



**Built-In LiFePO4 Battery**



**Control Panel and Electronics Protected by Face Shield**

*Built for Any Shop or Service-Truck Need*

- Waterproof and sealed face label with illuminated stainless steel pushbutton switches
- Two dual-line, 32-character, sealed LCD screens optimized for outdoor use with backlighting for nighttime, sunlight-readable for daytime and wide-angle view
- Tri-mount handle design for use in the shop, in the field or on the road
- Carry handle option makes unit highly transportable - carry it anywhere you need it
- Bottom-mount option lets unit be secured to a cart for mobility in the shop or installed into truck box
- Back-mount option provides a secure, stationary unit when hung on a wall, in a truck box or at the back of the shop work bench

**Multiple Configurations Available**

- #5510A ..... Includes ABS Diagnostics (No Tablet)
- #5510A-L4 ..... Includes ABS Diagnostics With Built-In Battery (No Tablet)
- #5510A-T10 ..... Includes ABS Diagnostics and Standard Tablet
- #5510A-L4T10 ... Includes ABS Diagnostics and Standard Tablet With Built-In Battery
- #5510A-RT8 ..... Includes ABS Diagnostics and Rugged Tablet
- #5510A-L4RT8 ... Includes ABS Diagnostics and Rugged Tablet With Built-In Battery

*For a complete breakdown of the various Alpha MUTT® series, models, accessories and applications, call 845-679-4500 and speak with one of our sales reps.*



**Carry Handle**



**Bottom Mount**



**Back Mount**

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### Diagnostic Software App

IPA's custom diagnostic software suite provides highly accurate inspection results for all common trailer configurations. It standardizes consistent inspections across all fleet and service center locations with one-button pass/fail inspections and printable reports. It reduces labor time, prevents mistakes and creates more detailed service records.

#### Capture Inspection Reports

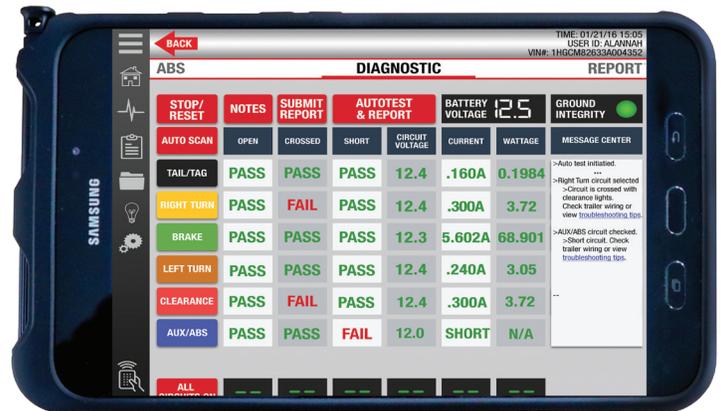
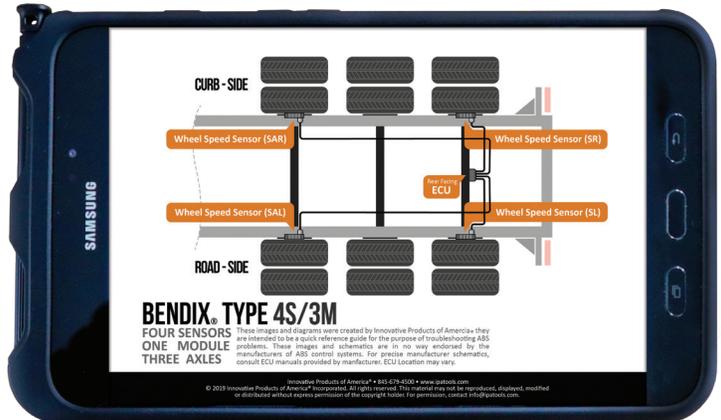
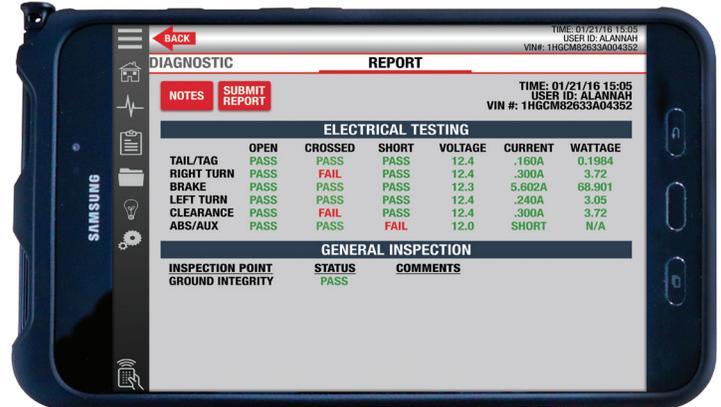
- Inspection accountability
- Customizable, password-protected user login
- Technician's username is recorded with each test
- Trailer VIN entry with each inspection maintains more accurate record keeping

#### Prevents Recurring Mistakes and Provides Walk-Through Expert Guidance

- Built-in Diagnostic Message Center analyzes inspection results in real-time, providing users with immediate feedback and troubleshooting suggestions
- Detailed pass/fail circuit conditions (ground, open, crossed and short) will alert with specific values
- Provides real-time data and control
- Records multiple data points for each circuit including wattage, voltage and current
- Reads accurate current from 0-21A @ 1mA resolution

#### Record and Analyze Inspection Results

- Logs detailed pass/fail inspection reports
- Easily accessible report history allows technicians to analyze patterns for predictable failure points across all fleet service operations
- Email, print or export reports to PDF or XLS format



### Military-Grade, Rugged Tablet Tested Against:

Salt fog, settling and blowing dust, icing, rain, humidity, immersion, vibration, dropping, high/low temperatures and high altitude

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### Complete Specifications

#### Specifications

- 7-Way Round Pin Connection Type
- 12/24V DC Power Input
- 20A @ 12/24V DC Source Output
- 120psi Max. Operating Pressure

#### Technology

- 8-in. Military-Grade Rugged Tablet  
*Android 7.1, 16GB Internal/Micro SD (up to 256GB), Pogo Pin, Li-Polymer Battery, 4450 mAh, Stylus*
- IPA® Diagnostic Software Suite  
*No Monthly Fees*
- 4.0 Bluetooth®
- High-Speed Microprocessor
- 1mA Resolution
- (2) Dual-Line, 32-Character, All Environment Digital LCD Screens  
*Backlit, Sunlight-Readable, Wide-Angle View*  
*Upper - Designated Voltage, Current, ABS, and Settings Menu*  
*Lower - Designated Air Pressure Testing*

#### Accessories

- 2<sup>nd</sup> Gen. 12-Button Remote Control  
*433MHz Long Range, 12V 50mAh VAVTT*
- 12' Gladhand Hoses with Handles
- 12' 7-Way Cable
- Bluetooth® Antenna
- 5' Bluetooth® Extension Cable
- Power Cable
- 500mA Battery Charger
- Expanded Training Manual and Parts List Binder

**\* Also Available Without Built-In Battery  
#5510A-RT8 ALPHA MUTT® WITH ABS AND  
RUGGED TABLET BENCH-TOP MODEL**

#### Mounted Equipment

- 16ga. Powder-Coated Steel Construction
- Waterproof, Sealed Faceplate
- Illuminated Stainless Steel Pushbutton Switches
- Steel 7-Way Sockets
- Panel-Mounted Regulators  
*0-120psi*
- Integrated Steel Face Shield  
*w/ Pneumatic Dampers*
- Tablet Docking/Charging Station
- Oversized Grab/Tie-Down Handles  
*w/ Carry, Bottom, or Back Mount Options*
- Integrated Battery Compartment
- LiFePO4 Battery\*  
*Lithium Iron Phosphate*
- Stainless Steel Hardware Pack

#### Ports

- OBD2 Bluetooth® Port
- 12V Socket
- USB Charge Port
- USB Data Port
- Chassis Ground
- 30-Amp Fuse Holder with Fuse

#### Weight and Dimensions

- With Handle/Brackets  
22" W x 31" H x 14.5" D
- Without Handle/Brackets  
17" W x 31" H x 14.5" D
- 56 lbs.

#### Warranty

- 3-Year Limited
- Free Lifetime Technical Support and Video Conference

#### Country of Origin

- Made in USA



2<sup>nd</sup> Gen  
12-Button Remote



12' Gladhand  
Hoses w/ Handles



12'  
7-Way Cable



Bluetooth®  
Antenna



5' Bluetooth®  
Extension Cable



Power Cable



500mA  
Battery Charger

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**Available ALPHA MUTT® Configurations**

PART #	MODEL	CONNECTION	ABS	BLUETOOTH®	TABLET	REPORTING	CONSTRUCTION	MOBILITY	REMOTES	CABLES
5510A-L4*	Bench Top	7-Way Round	✓	X	X	X	16 Gauge Powder Coated Steel	Tri-Mount Handles	1	12'
5510A-L4T10*	Bench Top	7-Way Round	✓	✓	✓	✓	16 Gauge Powder Coated Steel	Tri-Mount Handles	1	12'
5510A-L4RT8*	Bench Top	7-Way Round	✓	✓	✓ (Rugged)	✓	16 Gauge Powder Coated Steel	Tri-Mount Handles	1	12'
5610A	Service Truck	7-Way Round	✓	X	X	X	16 Gauge Powder Coated Steel	Rubber Feet	1	20'
5610A-RT8	Service Truck	7-Way Round	✓	✓	✓ (Rugged)	✓	16 Gauge Powder Coated Steel	Rubber Feet	1	20'
5611A	Service Truck	7-Way Round	✓	X	X	X	16 Gauge Powder Coated Steel	Fixed Slide Out Base	1	20'
5611A-RT8	Service Truck	7-Way Round	✓	✓	✓ (Rugged)	✓	16 Gauge Powder Coated Steel	Fixed Slide Out Base	1	20'
5710A	Shop	7-Way Round	✓	X	X	X	16 Gauge Powder Coated Steel	Pneumatic Wheels	1	12'
5710A-T10	Shop	7-Way Round	✓	✓	✓	✓	16 Gauge Powder Coated Steel	Pneumatic Wheels	1	12'
5710A-RT8	Shop	7-Way Round	✓	✓	✓ (Rugged)	✓	16 Gauge Powder Coated Steel	Pneumatic Wheels	1	12'

\* Also Available Without Built-In Battery



**#5710A-T10 Shop Model Shown**



**#5611A-RT8 Service-Truck Model Shown**

*All units are completely customizable for any need.*

*Speak with a sales rep if you would like to order your ALPHA MUTT® with enhanced accessories.*