

**SPECIALTY TOOLS • ABRASIVES • TRAILER TESTERS**

#5510A-L4

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

**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

#### Air Brake Testing

- Dual regulators
- 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
- 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

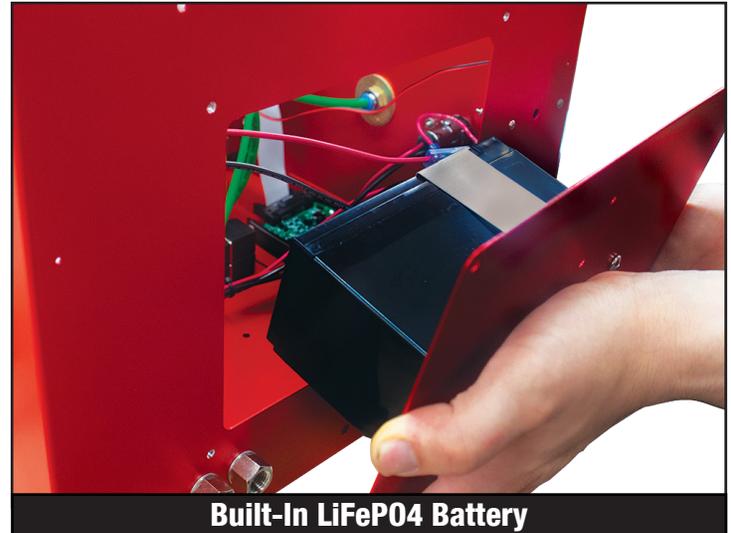
ABS Quick-View Diagnostics



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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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### 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

- High-Speed Microprocessor
- 4.0 Bluetooth®
- 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
- Power Cable
- 500mA Battery Charger
- Expanded Training Manual and Parts List Binder

*\* Also Available Without Built-In Battery  
#5510A ALPHA MUTT® WITH ABS 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*
- 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



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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 | ✓   | ✓          | ✓<br>(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 | ✓   | ✓          | ✓<br>(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 | ✓   | ✓          | ✓<br>(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 | ✓   | ✓          | ✓<br>(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.*