



**Shop Models**



**Service-Truck Models**



**Bench-Top Models**



**Ranger Models**



# COMPANY OVERVIEW



## LETTER FROM THE PRESIDENT OF IPA®

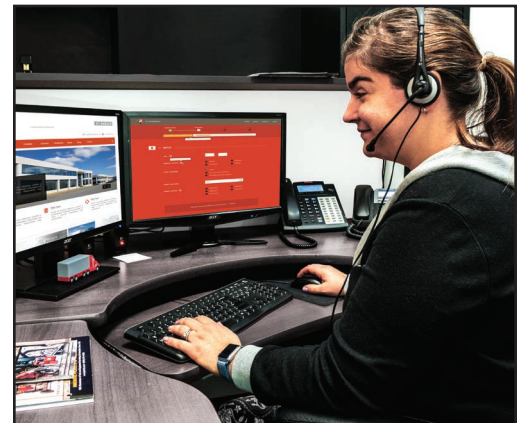
My name is Ian Vinci and I would like to thank you for your interest in our products. In today's world, we have all experienced the lack of service and consideration demonstrated by many companies after you buy their products. They say whatever they can to make the sale, and then it's like pulling teeth to get any service response out of them. I know this myself firsthand and because of this, I want to be sure that your experience with IPA® meets your expectations and that IPA® never disappoints you with our service or customer response.

To prove my commitment to you, if for any reason you are not happy with one of our products, or more importantly, with the response from our customer service department, or any other member of the IPA® team, I invite you to call me at 888-786-7899 or contact me at [president@ipatools.com](mailto:president@ipatools.com). Your satisfaction is more important to me than the sale itself. We will not be in business for long if we don't make you completely happy with our products and service. I want IPA® to be different and be known for its quality and service.

With that said, please take a look at our product line. You will see innovative, first-time tools that were created to help you do your job faster and better than before. I would also like to invite you to critique our products. If you can think of a better way to make them or changes that will make them work better, please contact me directly and I will be sure to look into it. If you have an innovation and would like some feedback, give me a call.

From all of us at IPA®, we thank you for taking the time to review our product line and wish you and your family the very best of everything.

Ian Vinci  
President  
Innovative Products of America®



# TABLE OF CONTENTS

## **MOBILE UNIVERSAL TRAILER TESTERS .....Pg. 01**

MUTT® Comparison Chart

## **SHOP MODELS .....Pg. 05**

#5710A Alpha MUTT® with ABS  
#5710A-T10 Alpha MUTT® with ABS and Tablet  
#5710A-RT8 Alpha MUTT® with ABS and Rugged Tablet  
#9008-DL Super MUTT® Pro Edition  
#4205 Smart MUTT® X

## **SERVICE-TRUCK MODELS .....Pg. 14**

#5610A Alpha MUTT® with ABS  
#5610A-RT8 Alpha MUTT® with ABS and Rugged Tablet  
#5611A Alpha MUTT® with ABS and Slide-Out Base  
#5611A-RT8 Alpha MUTT® with ABS, Rugged Tablet and Slide-Out Base

## **BENCH-TOP MODELS .....Pg. 22**

#5510A-L4 Alpha MUTT® with ABS and Built-In Battery  
#5510A-L4T10 Alpha MUTT® with ABS, Built-In Battery and Tablet  
#5510A-L4RT8 Alpha MUTT® with ABS, Built-In Battery and Rugged Tablet  
#9005A Super MUTT®  
#9007A Smart MUTT®

## **RANGER MUTT® MODELS .....Pg. 29**

#4300A-L4 Super Ranger MUTT® with ABS and Built-In Battery  
#9102 Heavy Ranger MUTT®

## **IPA® TECHNOLOGY .....Pg. 31**

ABS Diagnostics  
Electrical and Lighting Testing  
Air Brake Testing  
Productivity Software Suite  
Wireless Options

## **ADDITIONAL MODELS .....Pg. 38**

#4105 Smart MUTT® X  
#9101 Light Ranger MUTT®  
#M2000 NATO MUTT®

## **RELATED PRODUCTS .....Pg. 39**

#9200A Tactical Trailer Tester Field Kit with Electric Brake Force Meter  
#8048 HD Fleet Technician's Electrical Terminal Maintenance Set  
#7865L 7-Way Round Pin Tractor Trailer Circuit Tester  
#7862 Grease Joint Rejuvenator® Professional Model  
#8050-#8053 Air Comb® Filter and Radiator Cleaner



# MOBILE UNIVERSAL TRAILER TESTERS

## Shop Models

### Alpha MUTT® Series

Flagship Diagnostic Trailer  
Inspection System for Lights, Air  
Brakes and ABS

### Super MUTT® Series

Advanced, Remote-Controlled  
Diagnostic Trailer Lights and Air  
Brakes Tester

### Smart MUTT® X Series

Universal, Remote-Controlled  
Lights Tester for All North  
American Trailers





# MOBILE UNIVERSAL TRAILER TESTERS

## Service-Truck Models

### Alpha MUTT® Series

Complete Diagnostic Trailer Inspection System  
Purpose-Built for Underbody and Side-Mount Tool Boxes



## Ranger Models

### Super Ranger MUTT® Series

Ultra-Portable, Battery-Powered  
and Remote-Controlled Trailer  
ABS and Lights Tester



### Heavy Ranger MUTT® Series

Portable, Water-Resistant Trailer  
Lights and Electric Brakes Tester



## Bench-Top Models

### Alpha MUTT® Series

Complete Diagnostic Trailer  
Inspection System for Use on Carts,  
Bench Tops or Service Trucks



### Super MUTT® Series

Diagnostic Lights, Air Brakes and ABS Tester  
for Service Trucks and Mobile Applications










### Smart MUTT® Series

Portable Commercial Trailer  
Lights and ABS Tester





MODEL	MODEL TYPE	DIGITAL READOUT	REPORTING	CIRCUIT DIAGNOSTICS	ABS DIAGNOSTICS	BRAKE TESTING
 <b>#5710A ALPHA MUTT® W/ ABS</b>	Shop	✓	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5710A-T10 ALPHA MUTT® W/ ABS &amp; TABLET</b>	Shop	✓	✓	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5710A-RT8 ALPHA MUTT® W/ ABS &amp; RUGGED TABLET</b>	Shop	✓	✓	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#9008-DL SUPER MUTT® Pro Edition</b>	Shop	N/A	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	Blink Codes	Air Brakes 20 Amp Max Output Available
 <b>#4205 SMART MUTT® X</b>	Shop	N/A	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	Blink Codes	Electric Brakes 20 Amp Max Output Available
 <b>#5610A ALPHA MUTT® W/ ABS</b>	Service Truck	✓	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5610A-RT8 ALPHA MUTT® W/ ABS &amp; RUGGED TABLET</b>	Service Truck	✓	✓	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5611A ALPHA MUTT® W/ ABS &amp; SLIDE-OUT BASE</b>	Service Truck	✓	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5611A-RT8 ALPHA MUTT® W/ ABS, RUGGED TABLET &amp; SLIDE-OUT BASE</b>	Service Truck	✓	✓	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5510A-L4 ALPHA MUTT® W/ ABS &amp; BUILT-IN BATTERY</b>	Bench Top	✓	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5510A-L4T10 ALPHA MUTT® W/ ABS, BUILT-IN BATTERY &amp; TABLET</b>	Bench Top	✓	✓	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5510A-L4RT8 ALPHA MUTT® W/ ABS, BUILT-IN BATTERY &amp; RUGGED TABLET</b>	Bench Top	✓	✓	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#9005A SUPER MUTT®</b>	Bench Top	N/A	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	Blink Codes	Air Brakes 20 Amp Max Output Available
 <b>#9007A SMART MUTT®</b>	Bench Top	N/A	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	Blink Codes	20 Amp Max Output Available
 <b>#4300A-L4 SUPER RANGER MUTT®</b>	Ranger	✓	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	10 Amp Max Output Available
 <b>#9102 HEAVY RANGER MUTT®</b>	Ranger	N/A	N/A	Short Circuit Protection	N/A	10 Amp Max Output Available

TABLET	REMOTE	PIN TYPE	BATTERY TYPE	BATTERY CHARGER	BODY	WEIGHT	WARRANTY
Upgradeable	12-Button Remote	7-Way Round	Group 31	Integrated 10 Amp Smart Charger	Unibody Steel Cart w/ Pneumatic Wheels	85 lbs.	3 Yr.
10" Tablet	12-Button Remote	7-Way Round	Group 31	Integrated 10 Amp Smart Charger	Unibody Steel Cart w/ Pneumatic Wheels	85 lbs.	3 Yr.
8" Rugged Tablet	12-Button Remote	7-Way Round	Group 31	Integrated 10 Amp Smart Charger	Unibody Steel Cart w/ Pneumatic Wheels	85 lbs.	3 Yr.
Upgradeable	(2) 12-Button Remotes	7-Way Round	Group 31	10 Amp Smart Charger	Unibody Steel Enclosure w/ Foam Wheels	56 lbs.	3 Yr.
N/A	(2) 12-Button Remotes	7-Way Round	Group 31	10 Amp Smart Charger	Unibody Steel Enclosure w/ Foam Wheels	31 lbs.	3 Yr.
Upgradeable	12-Button Remote	7-Way Round	External Power	N/A	Steel Body w/ Anti-Vibration Rubber Feet	46 lbs.	3 Yr.
8" Rugged Tablet	12-Button Remote	7-Way Round	External Power	N/A	Steel Body w/ Anti-Vibration Rubber Feet	46 lbs.	3 Yr.
Upgradeable	12-Button Remote	7-Way Round	External Power	N/A	Steel Body w/ Slide-Out Base & Anti-Vibration Rubber Feet	54 lbs.	3 Yr.
8" Rugged Tablet	12-Button Remote	7-Way Round	External Power	N/A	Steel Body w/ Slide-Out Base & Anti-Vibration Rubber Feet	54 lbs.	3 Yr.
Upgradeable	12-Button Remote	7-Way Round	Built-In LiFePO4 Battery	500mA	Steel Body w/ Tri-Mount Carry Handles	58 lbs.	3 Yr.
10" Tablet	12-Button Remote	7-Way Round	Built-In LiFePO4 Battery	500mA	Steel Body w/ Tri-Mount Carry Handles	58 lbs.	3 Yr.
8" Rugged Tablet	12-Button Remote	7-Way Round	Built-In LiFePO4 Battery	500mA	Steel Body w/ Tri-Mount Carry Handles	58 lbs.	3 Yr.
Upgradeable	(2) 12-Button Remotes	7-Way Round	Group 14	500mA	Steel Enclosure w/ Carry Handle	26 lbs.	3 Yr.
N/A	12-Button Remote	7-Way Round	Group 14	500mA	Steel Enclosure w/ Carry Handle	15 lbs.	3 Yr.
N/A	12-Button Remote	7-Way Round	Built-In LiFePO4 Battery	500mA	Plastic Enclosure w/ Carry Handle	11.3 lbs.	3 Yr.
N/A	N/A	7-Way Round	Group 14	500mA	Plastic Enclosure w/ Carry Handle	2 lbs.	1 Yr.



# SHOP MODELS

#5710A SERIES

## ALPHA MUTT<sup>®</sup> WITH ABS MOBILE UNIVERSAL TRAILER TESTER



A Complete, Diagnostic Trailer-Inspection System Integrating All Aspects of Trailer Service and Repair – Perform More Inspections in Less Time!

Scan for  
Product  
Videos!



#5710A  
No Tablet

#5710A-RT8  
With Rugged Tablet

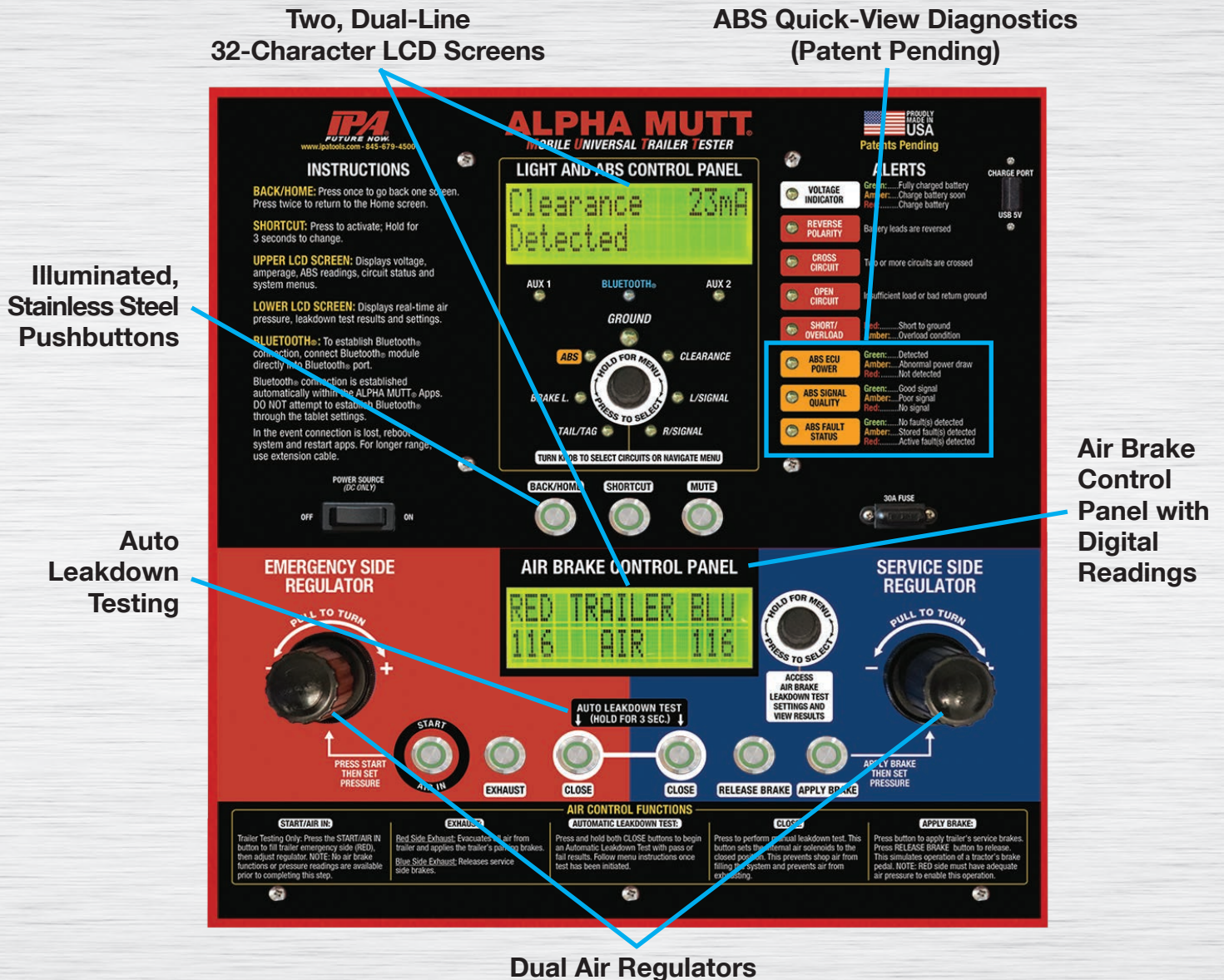
#5710A-T10 With Tablet



# SHOP MODELS

Keep Your Fleet Safe, Reliable, and On the Road With This High-Tech Trailer Inspection Solution




## Alpha MUTT® Shop Model Faceplate



“ We have been using Alpha MUTT's for three years now, it has been trouble-free and increases production by catching problems on the assembly line. I would highly recommend this product to everyone. ”

Denny Blake | EAGER BEAVER TRAILERS | Lake Wales, FL



SHOP MODEL	PIN TYPE	DIGITAL READOUT	REPORTING	DIAGNOSTICS	ABS CODES	BRAKE TESTING
 <b>#5710A ALPHA MUTT® W/ ABS</b>	7-Way Round	✓	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5710A-T10 ALPHA MUTT® W/ ABS &amp; TABLET</b>	7-Way Round	✓	✓	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5710A-RT8 ALPHA MUTT® W/ ABS &amp; RUGGED TABLET</b>	7-Way Round	✓	✓	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing

#5710A Series Features and Benefits

- One-man trailer tester
- Simple and intuitive design
- Two dual-line backlit LCD screens for reading in direct sunlight
- Rear-mounted, swivel gladhand outputs
- Automatically captures circuit data
- Paperless PM inspections
- Online training available

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

ABS Testing

- Reads and clears codes on front panel
- Accesses ECU data; manufacturer, make, model, etc.
- New ABS alerts for quicker troubleshooting
- Displays diagnostic troubleshooting information
- Automatically detects corroded ABS wires and faulty ECU's with patent-pending technology

Air Brake Testing

- Dual regulators
- Improved air brake testing automation and reporting
- 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

Truck-Side Testing

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

TABLET	REMOTE	INTERNAL BATTERY COMPARTMENT	BATTERY TYPE	BATTERY CHARGER	BODY	WEIGHT	WARRANTY
Upgradeable	12-Button Remote	✓	Group 31 (Not Included)	Integrated 10 Amp Smart Charger	Unibody Steel Cart w/ Pneumatic Wheels	84 lbs.	3 Yr.
<b>10" Tablet</b>	12-Button Remote	✓	Group 31 (Not Included)	Integrated 10 Amp Smart Charger	Unibody Steel Cart w/ Pneumatic Wheels	85 lbs.	3 Yr.
<b>8" Rugged Tablet</b>	12-Button Remote	✓	Group 31 (Not Included)	Integrated 10 Amp Smart Charger	Unibody Steel Cart w/ Pneumatic Wheels	85 lbs.	3 Yr.

#5710A Series Specifications

- 7-Way Round Pin Connection Type
- 12/24V DC Power Input
- Suggested Battery
  - 2x Group 31 Threaded Post or Similar (Not Included)
- 20A @ 12/24V DC Source Output
- 120psi Max. Operating Pressure

Technology

- 5.0 Bluetooth®
- High-Speed Microprocessor
- IPA® Productivity Software Suite
  - No Monthly Fees - Tablet Models Only
- 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

Ports

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

Mounted Equipment

- 16ga. Powder-Coated Steel Construction
- Waterproof, Sealed Faceplate
- Steel 7-Way Sockets
- Panel-Mounted Regulators
  - 0-120psi
- Integrated Steel Face Shield
  - w/ Pneumatic Dampers
- Oversized Grab/Tie-Down Handles
- Cable-Hanging Bracket
- Integrated Storage Compartment
- Integrated Battery Compartment
  - w/ Steel Door and Battery Tie-Down Bar
- Integrated 12V 10A Smart Battery Charger
- Heavy-Duty 12" Pneumatic Tires
- Heavy-Duty 5" Swivel Caster Wheels
  - w/ Dual-Lock Swivel/Wheel

Weight and Dimensions

- Lid Closed - 23" W x 45" H x 18.5" D
- Lid Open - 23" W x 61" H x 18.5" D
- Shelf Space - 14" W x 11" H x 13" D
- Bat. Compartment - 14" W x 15.5" H x 13" D

Accessories

- 12-Button Remote Control
  - 433MHz Long Range, 12V 50mAh VAVTT
- 12' Gladhand Hoses with Handles
- 12' 7-Way Round Cable
- Power Cord for Internal Charger
- Battery Jumper Cables and Hardware
- Rain/Dust Cover
- Expanded Training Manual and Parts List Binder
- Bluetooth® Antenna with 12" Extension Cable (Tablet Models Only)
- 10" Standard Tablet (#5710A-T10)
- 8" Military-Grade Rugged Tablet (#5710A-RT8)

Warranty

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

Country of Origin

- Made in USA



# SHOP MODELS

## TIME IS MONEY

### The Alpha MUTT® Lets Fleets Save Both

**W**hen it comes to heavy-duty trailer maintenance and inspection, the Alpha MUTT® with ABS is the perfect solution. Accurate, cost-effective, and packed with great features and conveniences, the Alpha MUTT® is the ultimate all-in-one solution for fleet managers and trailer service professionals. This enhanced inspection system provides a safe and accurate protocol that is fast and cost-efficient. Moreover, the Alpha MUTT® is proudly made in the USA by IPA® - the industry's leading trailer tester manufacturer - so you can feel secure in the quality and precision of our product.

This diagnostic trailer inspection system not only integrates all aspects of trailer service and repair, but it effortlessly standardizes consistent inspections across all fleet and service-center locations. It is compact and mobile for inspections to be performed anywhere quickly and efficiently. This allows fleet professionals to spend more time actively managing and less time on trailer inspections.

What makes the Alpha MUTT® stand out is its wireless productivity suite. An at-a-glance dashboard gives a supervisory overview of any trailer inspections that have been completed or failed. This allows fleet owners to make quick and informed decisions with cost-saving opportunities. You can track your service records, upload documents, and create a detailed service history with ease.

**The Alpha MUTT® with ABS Shop Model is Indispensable for Anyone Servicing or Managing HD Commercial Vehicles/Fleets.**

Another great feature is the ability to significantly reduce labor costs. With its highly accurate inspection results, the Alpha MUTT® eliminates most of the guesswork that comes with traditional trailer inspections thus reducing potential errors and mistakes. This powerful tool makes testing, diagnostics, and troubleshooting of all types of trailer electrical systems easy and efficient.

The Alpha MUTT® is equipped with a highly accurate digital ammeter with 1mA resolution, which measures DC voltage, current, resistance and frequency readings. This allows technicians to precisely test circuits and quickly identify faults and overloads. It also includes IPA®'s patented Pulsar® mode feature, which lets technicians chase down short circuits and ground failure detection, helping differentiate between wire and chassis ground.

Furthermore, the tool comes with an auto-test function that can generate a detailed inspection report in under 60 seconds. This means technicians can save time and effort in diagnosis, reducing the need for unnecessary replacements of faulty electric components.

Finally, there are no monthly fees or hidden costs associated with the Alpha MUTT®. You can purchase the system and all applicable software upgrades for a one-time cost. From its one-button pass/fail inspections and printable reports to its accurate inspection results for all common trailer configurations, the Alpha MUTT® is a revolutionary way to maximize trailer safety, efficiency and longevity.

**09 Cut Inspection Time in Half and Reduce Mistakes!**



# SHOP MODELS

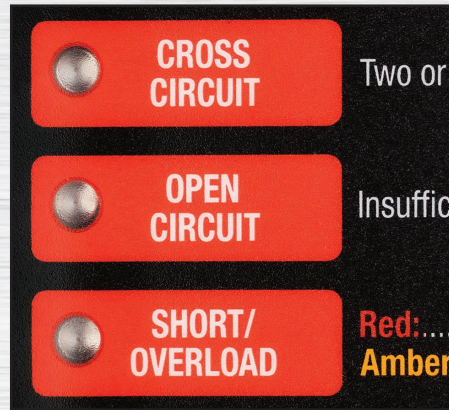
## SMART MECHANICAL DESIGN

### The Unique Features of Our Alpha MUTT® Trailer Testers

Our Alpha MUTT® trailer testers are engineered to thrive in the shop environment. From advanced diagnostics and intuitive interfaces, to simple and logical elements, our trailer testers are built to get the job done. Made proudly in the USA, each Alpha MUTT® answers the call of fleets looking to enhance the speed and accuracy of trailer pm inspections.



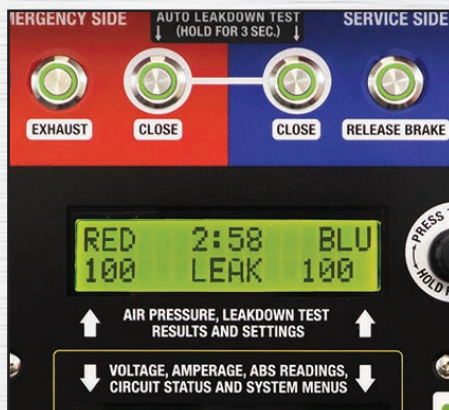
One-Man Testing



Automatically Identifies Faults



Remote Air Brake Operation



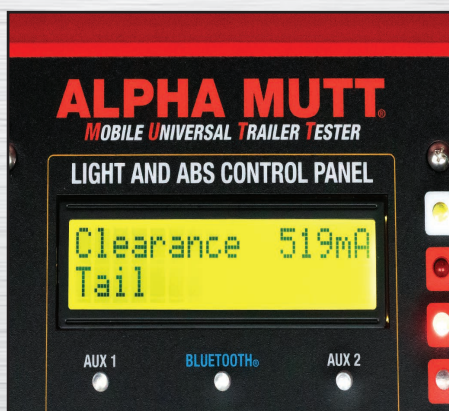
Leakdown Testing



ABS Testing



Pass/Fail Results



Highly Accurate 1mA Resolution



Dual Regulators



Built-In Battery Compartment



# SHOP MODELS

## SPECIFIC DESIGN FEATURES

Our Shop Model Alpha MUTT® trailer tester is an ideal solution for fleets that are looking for a top-of-the-line trailer inspection system built for the rigors of day-to-day shop use. With an eye for detail, we painstakingly designed these models to be the best they can be.



**Waterproof Gaskets**

The waterproof, sealed components provide weather protection for all electronic components with the addition of mechanical gaskets to all faceplate buttons.



**Large Convenient Storage**

The large storage compartment is specifically designed to provide easy and convenient storage for accessories and product manuals.



**Pneumatic Face Shield**

The steel face shield with pneumatic dampers ensures a safe, smooth opening and closing, eliminating any unwanted movement, and extending service life.



**Heavy-Duty Pneumatic Tires**

The heavy-duty, 12" pneumatic tires with deep treads provide excellent traction and shock absorption, ideal for rugged terrain and enabling smooth motion.



**Swivel Gladhand Fittings**

The swivel gladhand fittings offer greater mobility and rotation, allowing easy connection without the risk of damaging the hose or fitting.



**Heavy-Duty Swivel Casters**

The heavy-duty, 5" swivel caster wheels with dual locking action offer mobility and stability for easy movement and secure positioning.



**Oversized Grab Handles**

The oversized grab handles provide a sturdy grip and anchor point for tie-down straps, ensuring the trailer tester remains in place during transport.



**Non-Slip Kick Pad**

The protective, non-slip, kick pad enables easy pivoting and maneuvering while providing a stable footing.



# SHOP MODELS

#9008-DL

## **SUPER MUTT® Pro Edition** **MOBILE UNIVERSAL TRAILER TESTER**



**Advanced, Remote-Controlled Diagnostic Trailer Tester for  
Lighting and Air Brake Testing**

### Features and Benefits

#### Electrical Testing (12 Volt Operation)

- Power lights: manually, all-on, auto scan or remote control
- Audible and visual alerts: cross, open, overloaded and short circuit indication
- Pulsar® mode allows diagnostic repair
- Advanced trailer wiring diagnostics
- Amperage readout and range (0-20 amps)
- Cable testing
- Ground failure detection: differentiates between wire and chassis ground

#### Air Brake Testing

- Dual regulators
- Improved air brake testing automation and reporting
- 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

#### Remote Control

- Remote control included tests all trailer electric circuitry and air brake actuation, 200+ ft. range
- Sync multiple (12) remotes to one unit

### Specifications

Power:	12/24V DC Power Input
Air Input:	120 psi Max. Operating Pressure
Power Input:	Group 31 or Similar (Not Included)
Output:	20A @ 12V DC
Connection Type:	7-Way Round Pin
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	56 lbs.
Dimensions:	21" W x 34" H x 15" D
Warranty:	3-Year Limited

### Accessories

(2) 12-Button Remote Controls, 5' 7-Way Cable, 8' Gladhands, 10A Smart Battery Charger, Battery/Face Shield and Rain Cover



**Super Mutt® Faceplate**





# SHOP MODELS

#4205

## SMART MUTT® X MOBILE UNIVERSAL TRAILER TESTER



**A Universal, Remote-Controlled, Mobile Diagnostic Light Tester for All North American Trailers**

### Features and Benefits

#### Electrical Testing (12 Volt Operation)

- Remote-controlled operation of lights and electric brakes
- One-man testing saves time and money
- Automatic ground, cross, open, overload and short circuit fault indicators
- Chase down short circuits without blowing fuses with integrated Pulsar® mode
- Ammeter 0-20 amps
- Can be used to trigger ABS blink codes
- Rugged cart body for mobility in and outside the shop

#### Remote Control

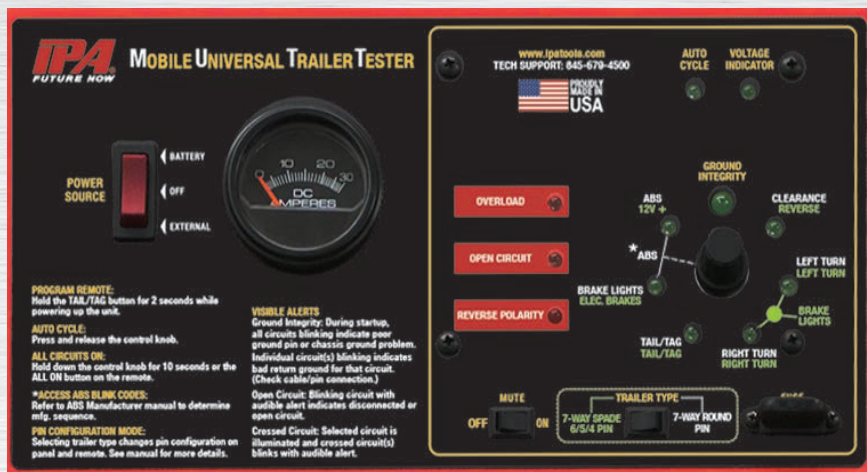
- Remote control included tests all trailer electric circuitry and air brake actuation, 200+ ft. range
- Sync multiple (12) remotes to one unit

### Specifications

Power:	12/24V DC Power Input
Power Input:	Group 31 or Similar (Not Included)
Output:	20A @ 12V DC
Connection Type:	7-Way Round & 7-Way Flat Pin (6-Way Round, 5-Pin and 4-Pin with Adapter)
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	31 lbs.
Dimensions:	21" W x 36.5" H x 15" D
Warranty:	3-Year Limited

### Accessories

(2) 12-Button Remote Controls, 3-Way Trailer Adapter, 5' 7-Way Cable, 10A Smart Battery Charger and Rain Cover



Smart MUTT® X Faceplate





# SERVICE-TRUCK MODELS

#5610A/#5611A SERIES

## ALPHA MUTT<sup>®</sup> WITH ABS MOBILE UNIVERSAL TRAILER TESTER



**A Complete, Diagnostic Trailer-Inspection System with Detailed Reporting Capabilities, Purpose-Built for Underbody and Side-Mount Tool Boxes!**

Scan for  
Product  
Videos!



#5611A-RT8  
With Rugged Tablet and  
Slide-Out Base

#5611A  
With Slide-Out Base  
(No Rugged Tablet)



#5610A-RT8  
With Rugged Tablet  
(No Slide-Out Base)

#5610A  
(No Rugged Tablet or  
Slide-Out Base)

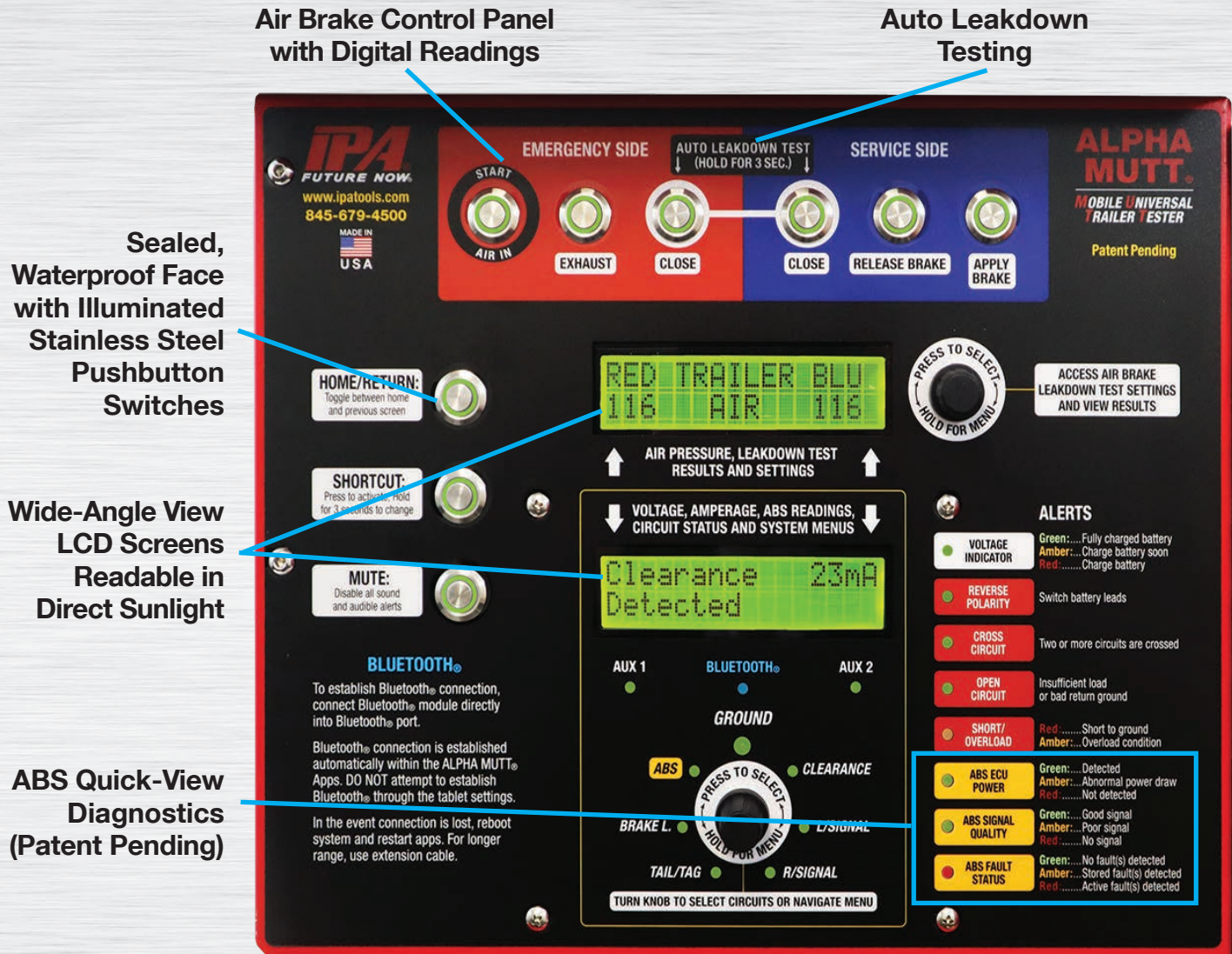




# SERVICE-TRUCK MODELS

Optimized for Extreme Weather Conditions and the Rigors of Life on the Road

## Alpha MUTT® Service-Truck Model Faceplate



### Military-Grade Tablet Built to Withstand:

- Salt fog
- Rain
- Icing
- Humidity
- Settling/blowing dust
- Immersion
- Vibration
- Dropping
- High altitude
- High/low temperatures



**All Weather Protection**  
Temperature Range: -47°F - 176°F



# SERVICE-TRUCK MODELS

## ON THE ROAD AND READY TO GO

### The Alpha MUTT® Purpose-Built for Service-Trucks

The #5610A and #5611A service-truck models provide all the same Alpha MUTT® with ABS features including full data collection and reporting of trailer functions, i.e., circuit status and faults, voltage, current, ABS diagnostics, air pressure readings, leakdown tests and more. These models are specifically designed for those who need a compact and rugged trailer tester with underbody and side-mount toolbox configurations.

The Alpha MUTT® service-truck models are advanced, one-man testing solutions for light, air brakes and ABS diagnostics in commercial trailers. These units reduce the time required for an inspection from one hour or more to under 30 minutes and make it possible for one operator to perform complete inspections without assistance in the shop or on the road. They offer fleet and service-center owners the assurance of accurate and detailed service records, with one-button pass/fail inspections and printable reports, while reducing labor time and preventing mistakes.

#### **The Alpha MUTT® with ABS Service-Truck Model is the Ultimate Solution for Road-Side Service Calls in Any Weather!**





To accommodate the rigors of on-the-road service and repairs, these models have been designed to withstand even the harshest weather conditions. With an internal circuit board coated to protect against moisture and corrosion as well as waterproof and sealed face labels, the Alpha MUTT® service-truck models can ride with any road-hardened fleet. These models boast numerous features designed with the convenience of use in mind. They are cost-effective, with no monthly fees, and their wide-angle view, LCD screens have backlighting for reading results on the side of a dark road that are also sunlight readable to help with repairs in the glaring sun. Additionally, their illuminated stainless-steel switches allow easy navigation and operation.

The #5610A series feature a standard base, using anti-vibration feet with bolt-through design for stability and durability. The #5611A series include a retractable, sliding base that can extend up to 33", giving the user an easy access to side panels and internal mechanisms. All models can be easily and quickly installed to any underbody or side-mount box with the provided stainless steel hardware and installation template. A soft-close drawer houses an integrated tablet docking/charging station for models that include the military-grade, weatherproof, rugged tablet, along with custom foam storage for the 12-button remote and Bluetooth® antenna. The weather-tight steel door keeps the electronics and control panel safe while still leaving all ports accessible. Even in a torrential downpour, these units will speed up and simplify on-site service calls.

In addition to the installation and design features, the Alpha MUTT® service-truck models also offer valuable time and money savings. By enabling one-man testing with remote and tablet features, the time required for data entry is decreased, reducing guesswork, and providing consistent results in light, air brake and ABS diagnostic inspections.

The Alpha MUTT® with ABS service-truck models are the perfect options for any service center or fleet-owner in need of an advanced system that offers reliability and accuracy through detailed service records, one-button pass/fail inspections, printable reports, and extreme-weather protection that is still cost-effective with no monthly fees.



SERVICE-TRUCK MODEL	PIN TYPE	DIGITAL READOUT	REPORTING	DIAGNOSTICS	ABS CODES	BRAKE TESTING
 <b>#5610A ALPHA MUTT® W/ ABS</b>	7-Way Round	✓	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5610A-RT8 ALPHA MUTT® W/ ABS &amp; RUGGED TABLET</b>	7-Way Round	✓	✓	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5611A ALPHA MUTT® W/ ABS &amp; SLIDE- OUT BASE</b>	7-Way Round	✓	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5611A-RT8 ALPHA MUTT® W/ ABS, RUGGED TABLET &amp; SLIDE- OUT BASE</b>	7-Way Round	✓	✓	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing

#5610A/#5611A Series Features and Benefits

- Designed for underbody and side-mount tool boxes
- Anti-vibration feet with bolt-through design for bottom mounting to service-truck boxes
- Waterproof and sealed faceplate 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
- Internal circuit board coated to protect from moisture and corrosion
- All stainless steel hardware and drill template included with tester for easy installation

Air Brake Testing

- Improved air brake testing automation and reporting
- 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

Electrical Testing (12/24 Volt Operation)

- Automatic cross, open, overload, short and ground fault detection
- Highly accurate digital ammeter with 1mA resolution
- Detailed inspection report generated from auto-test report function in under 60 seconds
- Chase down short circuits with Pulsar® mode
- Ground failure detection: differentiates between wire and chassis ground

ABS Testing

- Reads and clears codes on front panel
- Accesses ECU data; manufacturer, make, model, etc.
- New ABS alerts for quicker troubleshooting
- Displays diagnostic troubleshooting information
- No lag time when accessing ABS with IPA®'s custom diagnostic software
- Automatically detects corroded ABS wires and faulty ECU's with patent-pending technology

TABLET	REMOTE	INTERNAL BATTERY COMPARTMENT	BATTERY TYPE	BATTERY CHARGER	BODY	WEIGHT	WARRANTY
Upgradeable	12-Button Remote	N/A	External Power	N/A	Anti-Vibration Rubber Feet	46 lbs.	3 Yr.
<b>8" Rugged Tablet</b>	12-Button Remote	N/A	External Power	N/A	Anti-Vibration Rubber Feet	46 lbs.	3 Yr.
Upgradeable	12-Button Remote	N/A	External Power	N/A	Slide-Out Base with Anti-Vibration Rubber Feet	54 lbs.	3 Yr.
<b>8" Rugged Tablet</b>	12-Button Remote	N/A	External Power	N/A	Slide-Out Base with Anti-Vibration Rubber Feet	54 lbs.	3 Yr.

#5610A/#5611A Series Specifications

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

Mounted Equipment

- 16ga. Powder-Coated Steel Construction
- Waterproof, Sealed Faceplate
- Illuminated Stainless Steel Pushbutton Switches
- Steel 7-Way Sockets
- Panel-Mounted Regulator  
*0-120psi*
- Weather-Proof Steel Door
- Integrated Soft-Close Storage Drawer
- Vibration-Dampening Rubber Mounts
- Removable, Sliding-Base Service Tray (#5611A & #5611A-RT8 Only)

Technology

- 5.0 Bluetooth®
- High-Speed Microprocessor
- IPA® Productivity Software Suite  
*No Monthly Fees - Tablet Models Only*
- 1mA Resolution
- (2) Dual-Line, 32-Character, All Environment Digital LCD Screens  
*Backlit, Sunlight-Readable, Wide-Angle View  
Upper - Designated Air Pressure Testing  
Lower - Designated Voltage, Current, ABS, and Settings Menu*

Accessories

- 12-Button Remote Control  
*433MHz Long Range, 12V 50mAh VAVTT*
- 20' Gladhand Hoses with Handles
- 20' 7-Way Round Cable
- Power Cable
- Installation Hardware and Template
- Expanded Training Manual and Parts List Binder
- Bluetooth® Antenna with 5' Extension Cable (Tablet Models Only)
- 8" Military-Grade Rugged Tablet (#5610A-RT8 & #5611A-RT8 Only)

Ports

- OBD2 Bluetooth® Port
- Two-Pin External Power Input Socket
- (2) USB Ports  
*PLC Firmware Updates / PCB Firmware Updates*
- 30-Amp Fuse Holder w/ Fuse
- Chassis Ground

Weight and Dimensions

- #5610A - *15.5" W x 19.5" H x 17" D*
- #5610A - *46 lbs.*
- #5611A - Slide-Out Base Closed - *16.5" W x 21.5" H x 19" D*
- #5611A - Slide-Out Base Extended - *16.5" W x 21.5" H x 33" D*
- #5611A - *54 lbs.*

Warranty

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

Country of Origin

- Made in USA

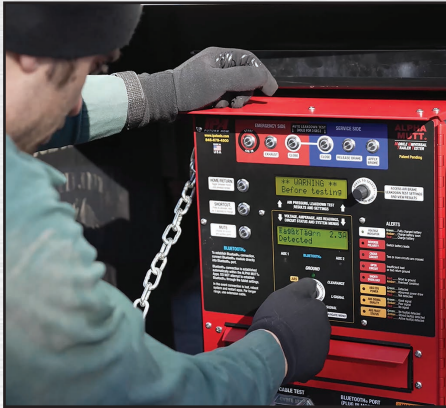


# SERVICE-TRUCK MODELS

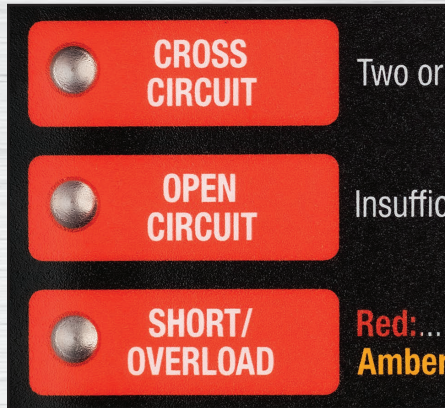
## QUALITY TESTED

### Innovative Trailer Testers Built to Last

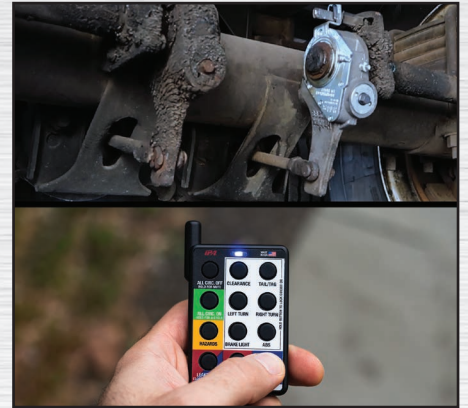
Our Alpha MUTT® trailer testers are engineered to thrive in any environment. From advanced diagnostics and intuitive interfaces, to simple and logical elements, our trailer testers are built to get the job done. Made proudly in the USA, each Alpha MUTT® answers the call of fleets looking to enhance the speed and accuracy of trailer pm inspections.



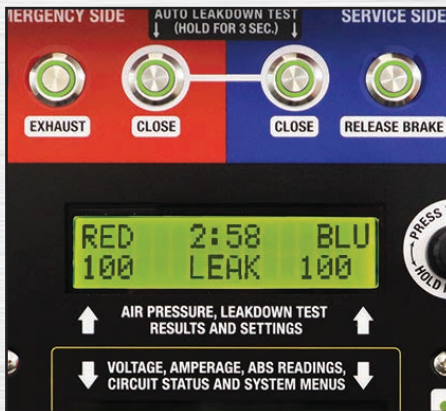
One-Man Testing



Automatically Identifies Faults



Remote Air Brake Operation



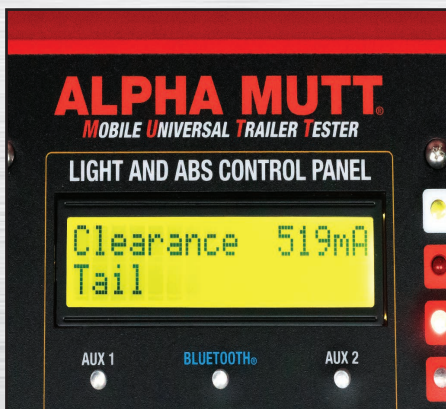
Leakdown Testing



ABS Testing



Pass/Fail Results



Highly Accurate 1mA Resolution



Service-Truck Box Design



Quality Accessories



# SERVICE-TRUCK MODELS

## SPECIFIC DESIGN FEATURES

Our Service-Truck Model Alpha MUTT® is built to last with durable materials and construction that can withstand even the toughest working conditions. From extreme heat to heavy rain and everything in between, our testers are designed to keep you on the road and get the job done - no matter what the weather brings.



**Waterproof Gaskets**

The waterproof, sealed faceplate offers optimal protection for all electronic components from the harshest elements by using mechanical gaskets for all buttons on the faceplate.



**Weatherproof Steel Door**

The latching steel door with a weatherproof strip provides reliable protection against harsh weather conditions for durability and longevity.



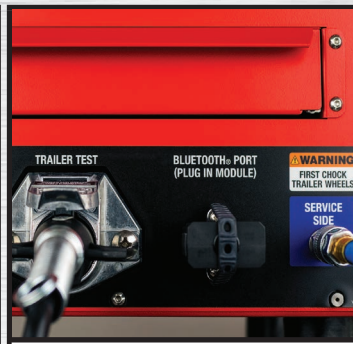
**Secure Storage Drawer**

The docking/charging station and custom foam cutouts in the soft-close storage drawer ensure your tablet and other accessories are securely held in place, preventing any movement during transit.



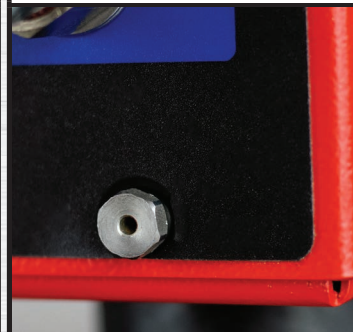
**Vibration Reducing Mounts**

The vibration-dampening rubber mounts with stainless steel bolt fittings provide easy, flat-deck, bolt-on installation, reducing vibration when mounted and in transit.



**Easy Front Access**

The 7-way round pin, emergency/service side out and Bluetooth® connections are conveniently positioned at the front of the tester for easy access when mounted in a truck box for efficient and hassle-free operation.



**Front Air Brake Exhaust**

The air brake exhaust in the front of the tester ensures that moisture is not discharged into the back of the truck box, preventing any potential damage to other the contents in the box.



**Compact Footprint**

The overall footprint of the unit is compact to fit inside truck boxes and take up as little space as necessary.



**Easy Side Access**

The side-mounted ports allow easier accessibility during operation, along with the easy-access side panel for internal service.

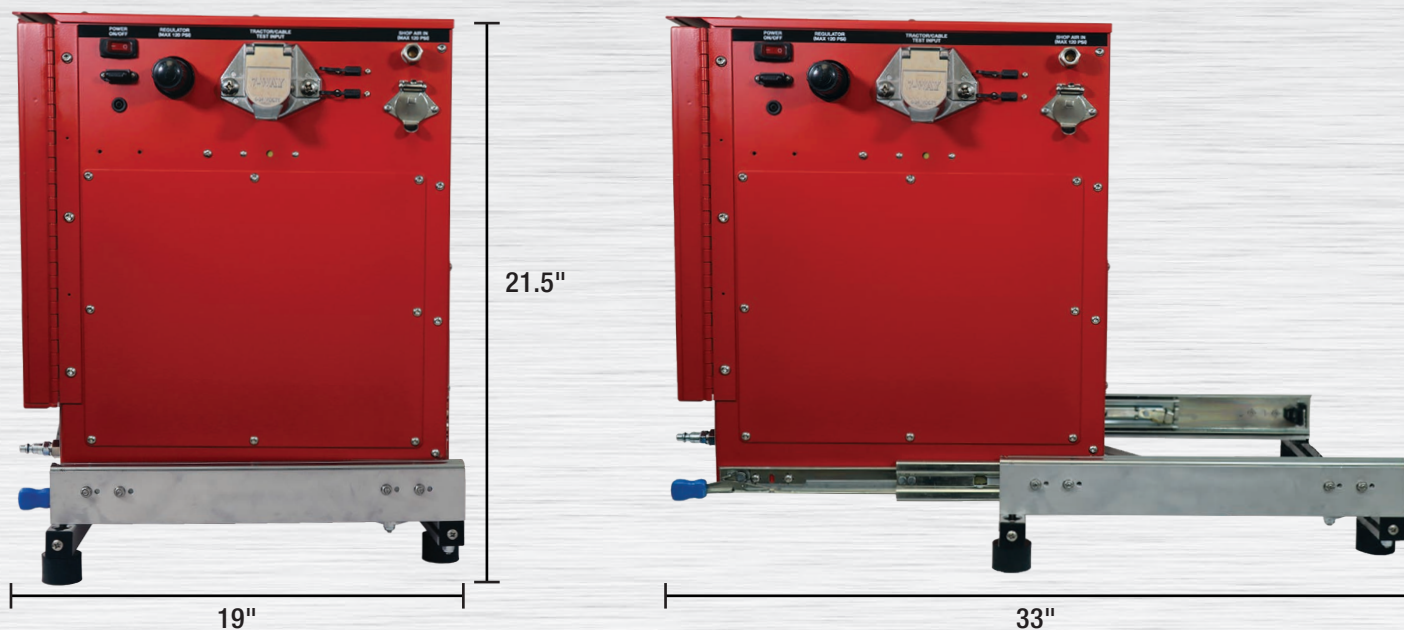


# SERVICE-TRUCK MODELS

## TWO MOUNTING OPTIONS

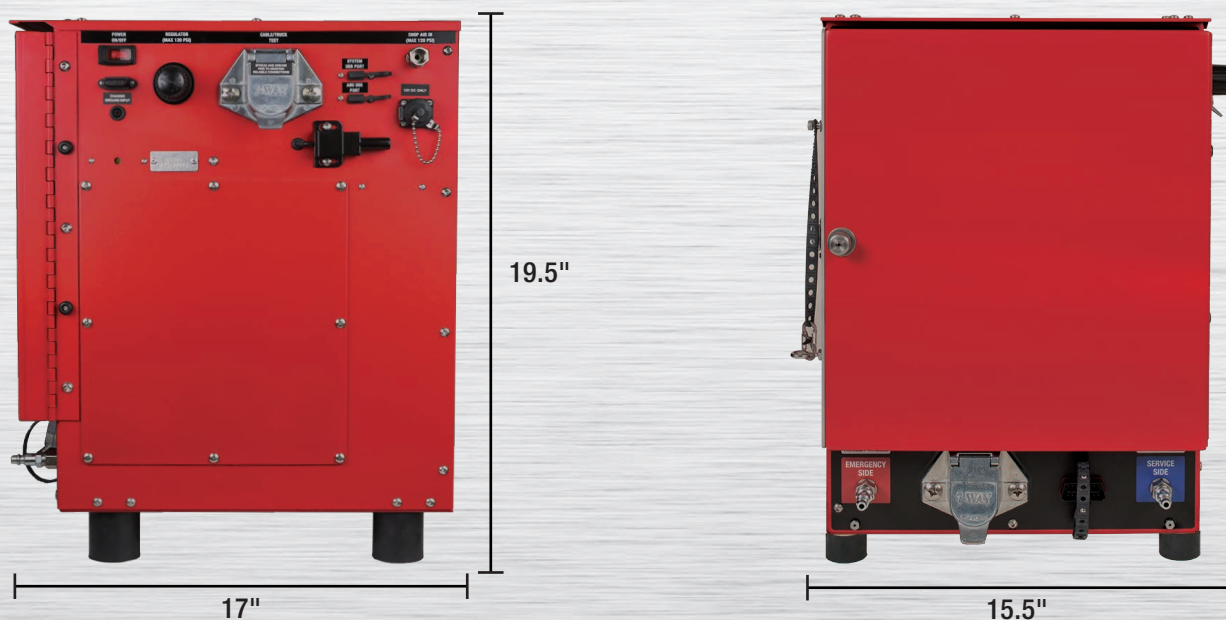
### #5611A Models Include Removable Slide-Out Base

Models with the removable and retractable slide-out base offer easy access to side components and simplified field service when installed in service-truck boxes.



### #5610A Models Include Anti-Vibration Feet

Models with the anti-vibration feet with bolt-through design offer easy installation, stability and protection when installed in service-truck boxes.





# BENCH-TOP MODELS

#5510A-L4 SERIES



## ALPHA MUTT® WITH ABS AND BUILT-IN BATTERY MOBILE UNIVERSAL TRAILER TESTER

A Complete, Battery-Powered Diagnostic Trailer-Inspection System with Detailed Reporting Capabilities for Both Vehicles and Trailers



#5510A-L4  
No Tablet



#5510A-L4T10  
With Tablet

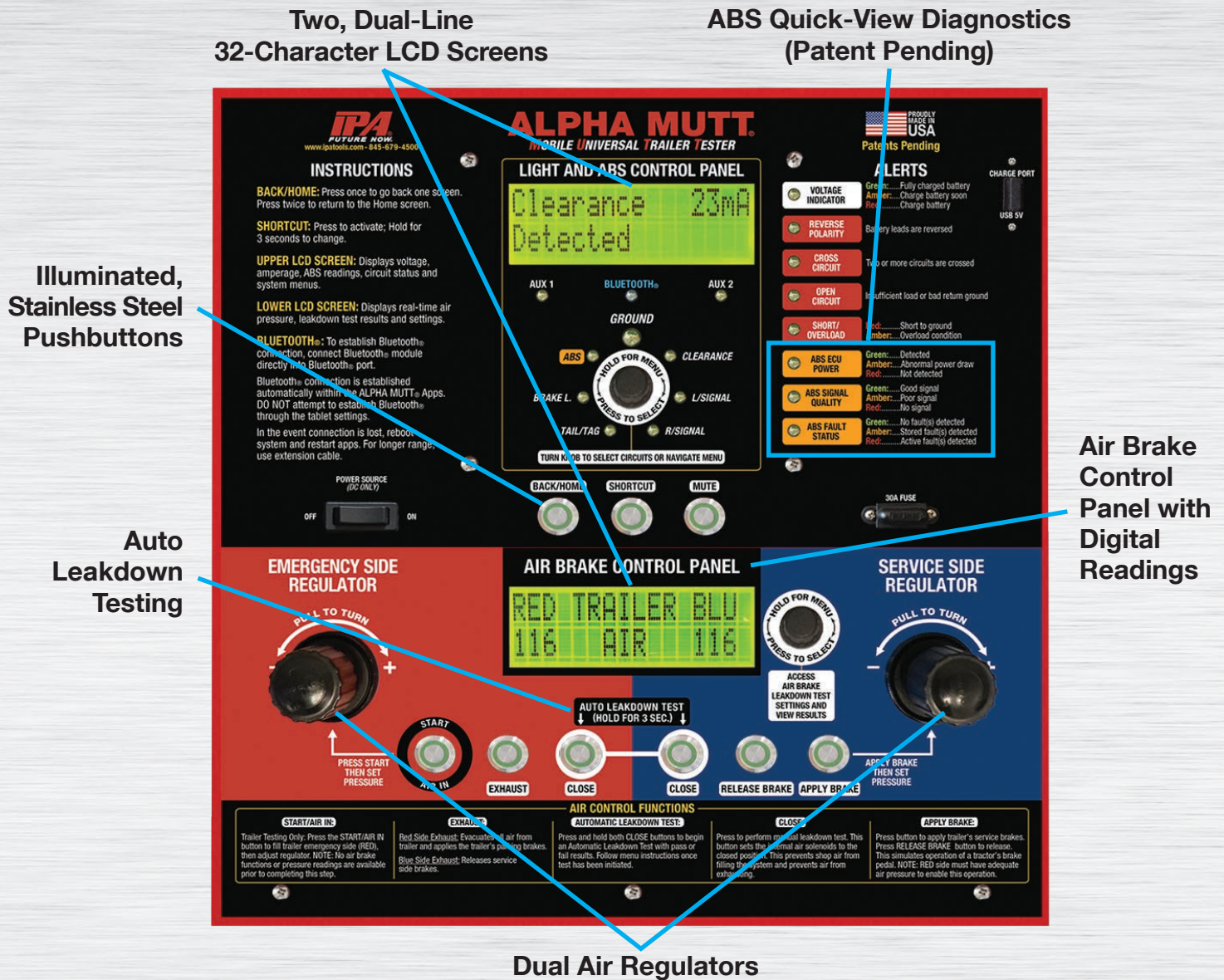


#5510A-L4RT8 With Rugged Tablet



# BENCH-TOP MODELS

## Alpha MUTT® Bench-Top Model Faceplate



## LiFePO4 Battery Powered - 2000x Longer Lifespan

IPA®'s Alpha MUTT® with ABS Bench-Top Models are the industry's first trailer testers powered by built-in LiFePO4 batteries, making trailer testing more accessible. LiFePO4 batteries are safer for users and the environment, low-maintenance, have longer lifespans, and are lighter than lead acid batteries.

**10-20 PM Inspections Per Charge!**

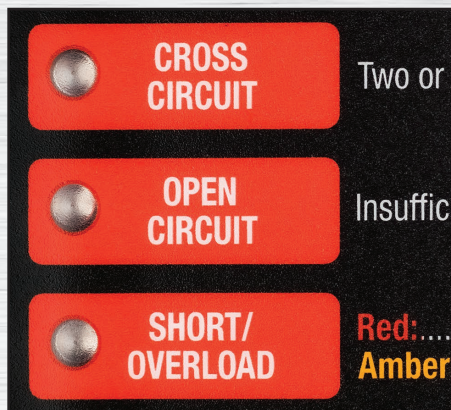


# BENCH-TOP MODELS

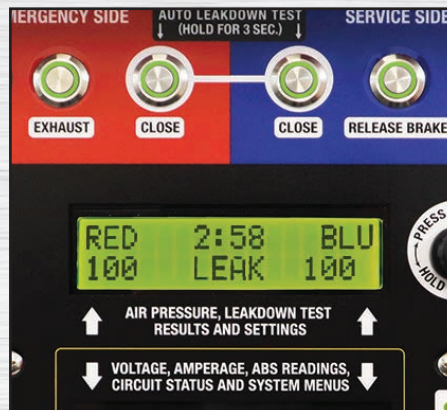
## UNPARALLELED VERSATILITY

### Innovative Trailer Testers Built for Any Need

Our Bench-Top Model Alpha MUTT® is the industry-first trailer tester powered by LiFePO4 batteries, chosen specifically for the overwhelming advantages they offer. LiFePO4 (Lithium Iron Phosphate) batteries are superior to other lithium and lead acid batteries in many ways: they are safer for users and the environment, require little to no maintenance, have longer lifespans with better charging/discharge efficiency and are lighter in weight. The Bench-Top Models also feature a tri-mount design for the ultimate versatility in and around the shop.



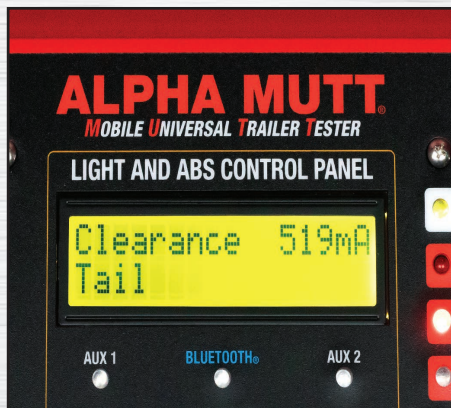
Automatically Identifies Faults



Leakdown Testing



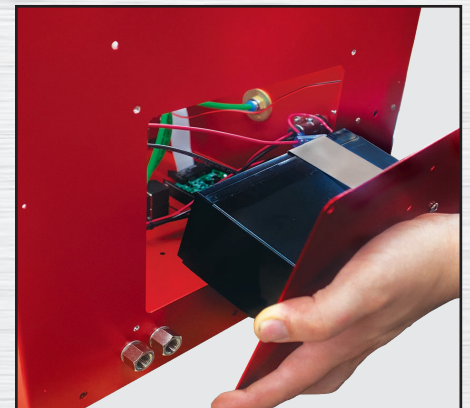
ABS Testing



Highly Accurate 1mA Resolution



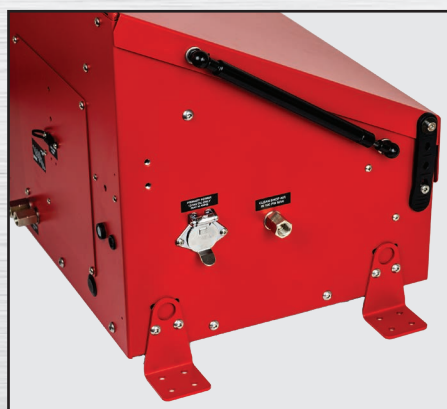
Remote Air Brake Operation



Built-In LiFePO4 Battery



Carry Handles for Mobility






Bottom-Mount for Cart or Truck



Back-Mount for Securing to Wall



BENCH-TOP MODEL	PIN TYPE	DIGITAL READOUT	REPORTING	DIAGNOSTICS	ABS CODES	BRAKE TESTING
 <b>#5510A-L4 ALPHA MUTT® W/ ABS &amp; BUILT-IN BATTERY</b>	7-Way Round	✓	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5510A-L4T10 ALPHA MUTT® W/ ABS BUILT-IN BATTERY &amp; TABLET</b>	7-Way Round	✓	✓	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing
 <b>#5510A-L4RT8 ALPHA MUTT® W/ ABS BUILT-IN BATTERY &amp; RUGGED TABLET</b>	7-Way Round	✓	✓	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Digital Air Brake and Leakdown Testing

#5510A-L4 Series Features and Benefits

- Built-in LiFePO4 eco-friendly battery for safe, one-man, turnkey diagnostics
- LiFePO4 batteries are lighter and safer than standard lithium-ion batteries - Lithium iron phosphate composition is non-toxic and naturally non-combustible
- Greater charge/discharge capabilities
- Longer lifespan - get more inspections out of one charge
- No memory effect - will not lose charge longevity over time
- Withstands extreme temperatures (-4° - 164°F)

Electrical Testing (12 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

ABS Testing

- Reads and clears codes on front panel
- Accesses ECU data; manufacturer, make, model, etc.
- New ABS alerts for quicker troubleshooting
- Displays diagnostic troubleshooting information
- Automatically detects corroded ABS wires and faulty ECU's with patent-pending technology

Air Brake Testing

- Dual regulators
- Improved air brake testing automation and reporting
- 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

Truck-Side Testing

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

TABLET	REMOTE	INTERNAL BATTERY COMPARTMENT	BATTERY TYPE	BATTERY CHARGER	BODY	WEIGHT	WARRANTY
Upgradeable	12-Button Remote	✓	Built-In LiFePO4 Battery	500mA	Steel Body w/ Tri-Mount Carry Handles	58 lbs.	3 Yr.
<b>10" Tablet</b>	12-Button Remote	✓	Built-In LiFePO4 Battery	500mA	Steel Body w/ Tri-Mount Carry Handles	58 lbs.	3 Yr.
<b>8" Rugged Tablet</b>	12-Button Remote	✓	Built-In LiFePO4 Battery	500mA	Steel Body w/ Tri-Mount Carry Handles	58 lbs.	3 Yr.

#5510A-L4 Series Specifications

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

Technology

- 5.0 Bluetooth®
- High-Speed Microprocessor
- IPA® Productivity Software Suite  
*No Monthly Fees - Tablet Models Only*
- 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*

Ports

- 12V Socket
- OBD2 Bluetooth® Port
- Two-Pin External Power Input Socket
- USB Charge Port
- USB Data Port
- Chassis Ground
- 30-Amp Fuse Holder w/ Fuse

Mounted Equipment

- 16ga. Powder-Coated Steel Construction
- Waterproof, Sealed Faceplate
- 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 LiFePO4 Battery  
*Lithium Iron Phosphate*
- Stainless Steel Hardware Pack

Weight and Dimensions

- With Handles/Brackets  
*23" W x 45" H x 18.5" D*
- Without Handles/Brackets  
*23" W x 61" H x 18.5" D*
- 56 lbs.

Accessories

- 12-Button Remote Control  
*433MHz Long Range, 12V 50mAh VAVTT*
- 12' Gladhand Hoses with Handles
- 12' 7-Way Round Cable
- External Battery Connector with Eyelets
- External Battery Connector with Alligator Clips
- Expanded Training Manual and Parts List Binder
- Bluetooth® Antenna with 12" Extension Cable (Tablet Models Only)
- 10" Standard Tablet (#5510A-L4T10)
- 8" Military-Grade Rugged Tablet (#5510A-L4RT8)

Warranty

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

Country of Origin

- Made in USA



# BENCH-TOP MODELS

#9005A

## SUPER MUTT®

### MOBILE UNIVERSAL TRAILER TESTER

Diagnostic Light and Air Brake Tester with Compact Design for Service-Truck and Mobile Applications



## Features and Benefits

### Electrical Testing (12 Volt Operation)

- Automatic cross, open, overload, short and ground fault detection
- Chase down short circuits with Pulsar® mode
- Ground failure detection: differentiates between wire and chassis ground
- Control lights by remote or manually

### Air Brake Testing

- Perform leakdown test on service and emergency lines
- Remote-control allows observation of slackers to measure and adjust pushrods
- Features an internal air regulator
- Real-time, repetitive brake activation to find developing problems and verify leaking servo cans

### Remote Control

- Remote control included tests all trailer electric circuitry and air brake actuation, 200+ ft. range
- Sync multiple (12) remotes to one unit

## Specifications

Power:	12/24V DC Power Input
Air Input:	120 psi Max. Operating Pressure
Internal Battery:	Yuasa YTX14 or Similar (Not Included)
Output:	20A @ 12V DC
Connection Type:	7-Way Round Pin
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	26 lbs.
Dimensions:	12" W x 11.5" H x 9.5" D
Warranty:	3-Year Limited

## Accessories

(2) 12-Button Remote Controls, 5' 7-Way Cable, 8' Gladhands, External Battery Connector, 500mA Battery Charger and Face Shield



Super Mutt® Faceplate





# BENCH-TOP MODELS

#9007A

**SMART MUTT®**

**MOBILE UNIVERSAL TRAILER TESTER**

**Diagnostic Light Tester with Compact Design for Service-Truck and Mobile Applications**



## Features and Benefits

### Electrical Testing (12 Volt Operation)

- Power lights and electric brakes: manually, all-on, auto scan or remote control
- Audible and visual alerts: cross, open, overloaded and short circuit indication
- Trailer wiring circuit testing
- Diagnostic Pulsar® mode allows safe overload/short circuit repair
- Amperage readout and range (-/+ 20 amps)
- Ground failure detection: differentiates between wire and chassis ground

### Remote Control

- Remote control included tests all trailer electric circuitry and air brake actuation, 200+ ft. range
- Sync multiple (12) remotes to one unit

## Specifications

Power:	12/24V DC Power Input
Internal Battery:	Yuasa YTX14 or Similar (Not Included)
Output:	20A @ 12V DC
Connection Type:	7-Way Round Pin
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	15 lbs.
Dimensions:	12" W x 9" H x 9.5" D
Warranty:	3-Year Limited

## Accessories

12-Button Remote Control, 5' 7-Way Cable and 500mA Battery Charger



Smart MUTT® Faceplate





# RANGER MODELS

#4300A-L4

## SUPER RANGER MUTT® WITH ABS AND BUILT-IN BATTERY

### MOBILE UNIVERSAL TRAILER TESTER

Ultra-Portable, Battery-Powered and Remote-Controlled  
Advanced-Diagnostic Trailer Tester for ABS and Lights



Scan for  
Product  
Videos!



### Features and Benefits

- Tests 7-way round pin trailer-side harnesses without a truck
- 10-20 PM inspections per battery charge
- Water-resistant case with storage compartment for all accessories
- Internal battery compartment with built-in LiFePO4 battery

### Electrical Testing (12 Volt Operation)

- Automatic cross, open, overload, short and ground fault detection
- Highly accurate digital ammeter with 1mA resolution
- Chases down short circuits with Pulsar® mode
- Ground failure detection: differentiates between wire and chassis ground
- Controls lights by remote or manually

### ABS Testing

- Reads and clears codes on LCD screen
- Accesses ECU data; manufacturer, make, model, etc.
- Displays diagnostic troubleshooting information
- Automatically detects corroded ABS wires and faulty ECU's with patent-pending technology

### Specifications

Power:	12V DC Power Input
Output:	10A @ 12V DC
Ammeter:	Digital 1mA Resolution
Built-in Battery:	LiFePO4 (Lithium Iron Phosphate)
Connection Type:	7-Way Round Pin
Controls:	Manual, Remote, Automatic
LCD Screen:	Dual-Line 32 Character All-Weather (Backlit, Sunlight Readable, Wide-Angle View)
Weight:	11.3 lbs.
Dimensions:	Enclosure (17" W x 11" H x 9" D) Storage Compartment (7" W x 9" H x 3" D)
Warranty:	3-Year Limited

### Accessories

12-Button Remote Control, 8' 7-Way Cable and 500mA Battery Charger



Super Ranger Mutt® Faceplate





# RANGER MODELS

#9102

## HEAVY RANGER MUTT® MOBILE UNIVERSAL TRAILER TESTER



Portable, Water-Resistant Trailer Tester for Lighting and Electric Brakes on Commercial Trailers

### Features and Benefits

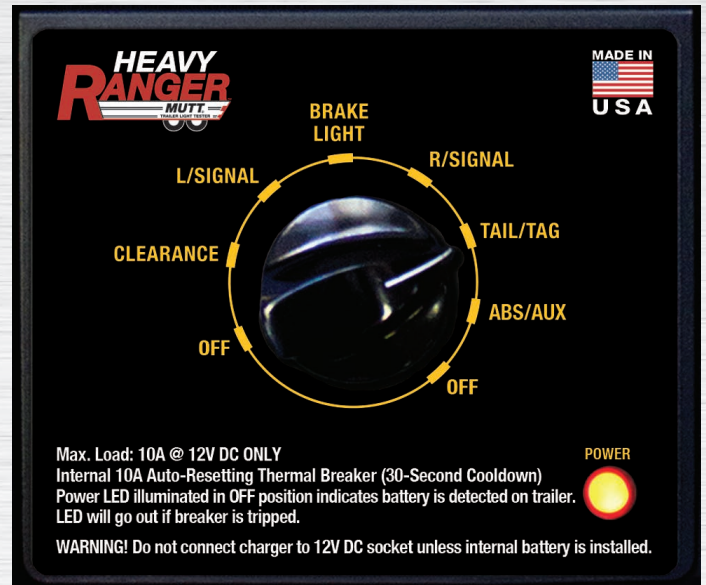
- Tests 7-way round pin trailer-side harnesses without a truck
- Short circuit protection
- Turn signal simulation and power verification LED
- Analog diagnostics
- Water-resistant case
- Internal battery compartment

### Specifications

Power:	12V DC Power Input
Output:	10A @ 12V DC
Battery Type:	Yuasa YTX14 or Similar (Not Included)
Bat. Dimensions:	5 7/8" L x 3 3/8" W x 5 3/4" H
Overload Protection:	Auto-Resetting Internal Breaker
Connection Type:	7-Way Round Pin
Controls:	Manual Control Knob
Weight:	2 lbs. (Empty)
Dimensions:	17" W x 11" H x 9" D
Warranty:	1-Year Limited

### Accessories

500mA Battery Charger



Heavy Ranger MUTT® Faceplate



### Available Separately

#BAT00002 - 12V DC Battery





# IPA® TECHNOLOGY




## State-of-the-Art Trailer Tester Diagnostics

### ABS DIAGNOSTICS

IPA®'s proprietary ABS diagnostics are specifically designed for our trailer testers. The diagnostics are **easy-to-use for technicians of any experience level**. Speed and accuracy with advanced capabilities, are the hallmarks of IPA®'s ABS diagnostics. Our patent-pending circuit monitoring quickly points to issues that otherwise go overlooked and may cost the shop thousands of dollars in labor and parts.

#### Features and Benefits:

- Read and clear codes on front panel or tablet
- Access ECU data; manufacturer, make, model
- Display diagnostic troubleshooting information
- Automatically detect corroded ABS wires and faulty ECUs with patent-pending technology

 <b>ABS ECU POWER</b>	<b>Green:</b> .....Detected <b>Amber:</b> .....Abnormal power draw <b>Red:</b> .....Not detected
 <b>ABS SIGNAL QUALITY</b>	<b>Green:</b> .....Good signal <b>Amber:</b> .....Poor signal <b>Red:</b> .....No signal
 <b>ABS FAULT STATUS</b>	<b>Green:</b> .....No fault(s) detected <b>Amber:</b> .....Stored fault(s) detected <b>Red:</b> .....Active fault(s) detected

**ABS Quick-View Diagnostic Alerts**

Alpha MUTT® models optioned with tablets also provide more advanced ABS diagnostics on the tablet screen, providing full wireless troubleshooting and control at the trailer axle.

#### Models with Tablets:

- #5710A-T10 Shop Series
- #5710A-RT8 Shop Series
- #5610A-RT8 Service-Truck Series
- #5611A-RT8 Service-Truck Series
- #5510A-L4T10 Bench-Top Series
- #5510A-L4RT8 Bench-Top Series



**One-Man ABS Diagnostics with Tablet**

***Innovative Products of America® is the  
Industry's Leading Trailer Tester Manufacturer!***



FAULT INDICATOR	FEATURE	BENEFIT PROVIDED
ABS ECU Power	Indicates if ABS ECU is detected and if the power draw is normal, abnormal, or nonexistent.	Quickly informs the technician of potential issues and eliminates any guesswork.
ABS Signal Quality	Indicates if ABS ECU is transmitting messages clearly through the PLC communication.	Poor communication warnings can point toward corrosion on the line or bad pin connections. No communications can indicate a malfunctioning PLC. Discovering this via the LCD screen saves time, money and eliminates the guesswork.
ABS Fault Status	Indicates if any active faults are present on the trailer's ABS ECU.	Mirrors the message from the ABS light on the side of the trailer, limiting the guesswork.
Active ABS Codes	Displays manufacturer specific trouble codes on the LCD screen.	Faster troubleshooting time.
Stored ABS Codes	Displays manufacturer specific trouble codes on the LCD screen.	Faster troubleshooting time.
ABS ECU (make, model, serial number, VIN, mileage, etc.)	Displays all pertinent information from the trailer's ABS ECU on the LCD screen.	Allows technicians to keep detailed records and record mileage stamps for inspection purposes.
Clear ABS Codes	Commands trailer ABS ECU to clear all codes.	Technicians can execute the function at the control panel or via tablet (on equipped tester models) to quickly clear faults without needing to generate wheel rotations, saving them time.

## Read and Clear ABS Fault Codes



**Search for Faults**



**Read Fault Codes**



**Clear Codes**



# IPA® TECHNOLOGY

## State-of-the-Art Trailer Tester Diagnostics

### ELECTRICAL AND LIGHTING TESTING

IPA®'s electrical, automatic fault indication and proprietary Pulsar® mode with essential diagnostic features are available on all remote-controlled trailer testers. These features are real-time and automatic.

There is **no training required**. Each MUTT® will instantly alert and point the technician toward the issue preventing unnecessary troubleshooting and wasted time. Many of these diagnostic features can be used to identify developing issues at the inspection point before they happen on the road, thus saving the fleet untold cost in repairs and downtime.

#### Features and Benefits:

- Automatically detect cross, open, overload, short and ground fault
- 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 control



12-Button Remote Provides 200+ ft. Range



Alpha MUTT® in Countdown Sequence of Pulsar® Mode



FAULT INDICATOR	FEATURE	BENEFIT PROVIDED
Voltage Indicator	MUTT® battery/DC power source voltage level.	Indicates if adequate power is available for testing.
Cross Circuit	Identifies when two or more circuits are back-feeding into each other.	Typically indicates incorrect wiring or a faulty harness.
Open Circuit	Identifies if a load is detected on a selected circuit (lights).	Indicates a wiring issue.
Short/Overload	Identifies when the power draw exceeds allowable limits. Differentiates between short and overloaded circuits.	Reduces troubleshooting time by indicating type of overcurrent. Short to ground (typically complete failure of motor or positive wire touching ground) vs. overload (too many lights or too much power draw on circuit, typically not short to ground).
<b>Electrical Functions</b>		
Pulsar® Mode	Triggered when short or overload conditions are met. Removes power for 3 seconds and attempts to reapply power.	Allows the user to shake test wiring harness when chasing down short.
All Circuits On	Allows the user to toggle all circuits on at the same time.	Ideal for visual inspection of lights, as well as viewing total current draw.
Hazard Lights	Allows the user to flash the left and right turn lights.	Used to simulate hazards during required test procedures.
Circuit Latch	Allows the user to select and lock on multiple circuits during testing.	Ideal for users with testing protocols requiring simultaneous activation of specific circuits.
Autocycle	Activates one circuit after another, sequentially following the clockwise configuration around the control knob.	Ideal for PM inspections.
<b>Electrical LCD Screen</b>		
Current Meter	The microprocessor monitors current draw at a rate of 200 times per second with a resolution of 1mA. The LCD screen displays current draw from 1mA up to 30 Amps in 1mA increments.	This highly accurate meter is used to monitor all circuit faults and displays real-time metering so technicians can identify slight variations while troubleshooting.
Voltage	Displays battery voltage while testing.	Indicates if the battery source needs to be recharged.
Faults	Displays active circuit faults.	Eliminates guesswork while testing.
Troubleshooting Tips	Provides suggested troubleshooting tips related to active circuit faults.	Eliminates guesswork.
Menus	Access to settings and submenu screens.	Allows customizations and advanced troubleshooting.



# IPA® TECHNOLOGY

## State-of-the-Art Trailer Tester Diagnostics

### AIR BRAKE TESTING

IPA®'s air brake testing features are available on models equipped with air system controls. While all units allow control over red and blue side air circuits, features on Alpha Series and Super Series do vary. The Alpha MUTT® provides more accurate, digital pressure readings with advanced and adjustable automatic leakdown testing. It also offers full wireless control of circuits and the air system.

#### Features and Benefits:

- Dual regulators on Alpha MUTT® Shop and Bench-Top models; single regulator on all other models
- Tablet or remote-controlled air brake activation
- Real-time, repetitive brake activation to find developing problems and verify leaking servo cans
- Perform analog leakdown tests in service and emergency lines
- Alpha MUTT® models allow user to fully exhaust trailer braking system manually, with remote control or tablet



Brake Activation with Remote Control

FAULT INDICATOR	FEATURE	BENEFIT PROVIDED
Emergency Side Air System Pressure	Displays air pressure present in RED/Emergency Side air circuit.	Eliminates guesswork.
Service Side Air System Pressure	Displays air pressure present in Blue/Service Side air circuit.	Eliminates guesswork.
Service Side Activation	Simulates truck braking by activating Service Side brakes.	Used for checking pushrod travel, slacker adjustments and brake timing.
Manual Leakdown Test	The user can pressure brakes, close input supply and monitor for leaks.	Essential for any trailer inspection.
Automatic Leakdown Test with Pass/Fail	(Alpha MUTT® only) Pass/fail results and automatic countdown during leakdown test.	Provides repeatable test limiting user error.



Alpha MUTT® in Automatic Leakdown Test Mode



# IPA® TECHNOLOGY

## State-of-the-Art Trailer Tester Diagnostics

### PRODUCTIVITY SOFTWARE SUITE

#### Provides Highly Accurate Inspection Results for All Common Trailer Configurations

IPA® offers a custom diagnostic software suite that is intuitive and easy-to-use. It standardizes consistent inspections across all fleet and service center locations with one-button pass/fail inspections and printable reports.

Reduce labor time, prevent mistakes and create more detailed service records while performing electrical, lighting, air brake and ABS diagnostic tests. Build custom DOT and PM inspections for your shop needs.

#### Features and Benefits

##### Capture Inspection Reports

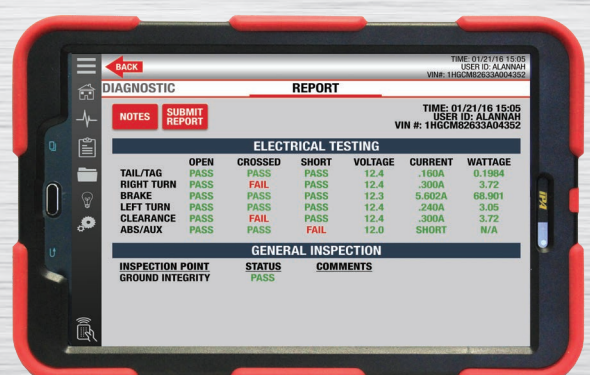
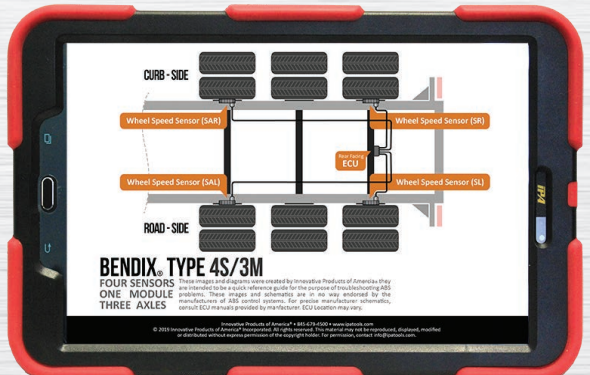
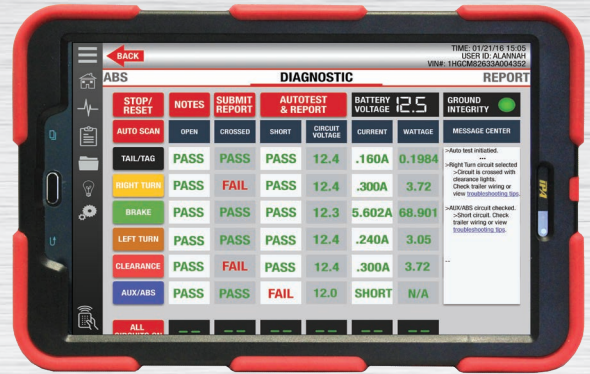
- Inspection accountability
- Customizable, password-protected user login
- Technician's username is recorded with each test
- Trailer VIN entry with each inspection maintains more accurate record keeping

##### 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 formats





## WIRELESS OPTIONS

### #5700-TAB-AS **STANDARD TABLET**

#### Specifications

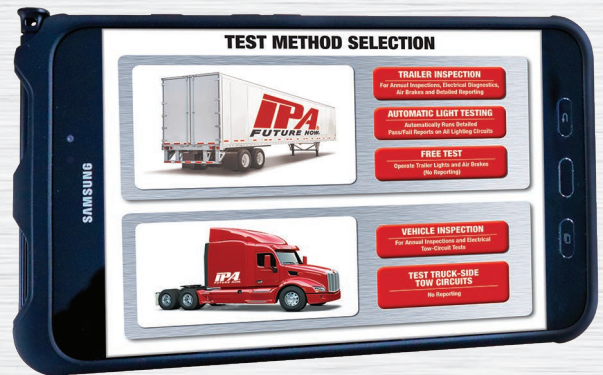
- Android 10+ Operating System
- 10.4" Touch Screen
- WXGA (1200 x 2000) Display Resolution
- 16GB Memory
- Micro USB Type C Port
- 5.0 Bluetooth®
- Li-Polymer Battery with Up to 13 Hrs. Life
- Energy Star and RoHS Certified



### #5700-TABRT-AS **MILITARY-GRADE, RUGGED TABLET**

#### Specifications

- Android 10+ Operating System
- 8.0" Wet/Glove Touch Screen
- WXGA (1280 x 800) Display Resolution
- 16GB (Internal) Micro SD Memory (up to 256GB)
- Built-In Stylus
- USB Type C Port
- 5.0 Bluetooth®
- Li-Polymer Battery (Replaceable) with Up to 11 Hrs. Life
- IP68 Water and Dust Resistant
- Anti-Shock (Drop from 1.2m Height with Cover)
- MIL-STD-810G, EPEAT, Energy Star, TCO and RoHS Certified
- Face Recognition, Accelerometer, Fingerprint, Gyro, Geomagnetic, Hall, RGB Light and Proximity Sensors



### #MUT2-RM12 **ALPHA MUTT®**

12-Button Remote Control



### #MUT-RM12 **SUPER/SMART MUTT®**

12-Button Remote Control



### #MUT-RM12-4105 **SMART MUTT® X**

12-Button Remote Control





# ADDITIONAL MODELS

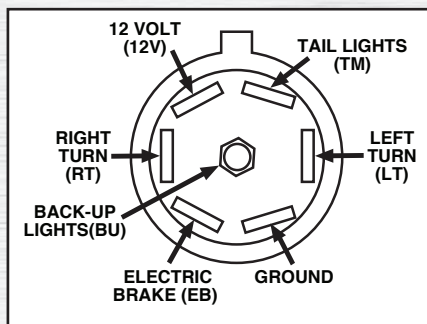
## UTILITY/RV TRAILER TESTER MODELS (7-Way Flat, 6-Way Round and 4/5 Pin)

### #4105 **SMART MUTT® X** Lighting and Electric Brake Tester for All North American Trailers

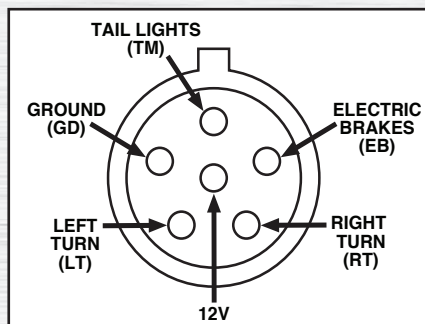
**Includes:** 12-Button Remote Control, 3-Way Trailer Adapter and 500mA Battery Charger

### #9101 **LIGHT RANGER MUTT®** Lighting and Electric Brake Tester

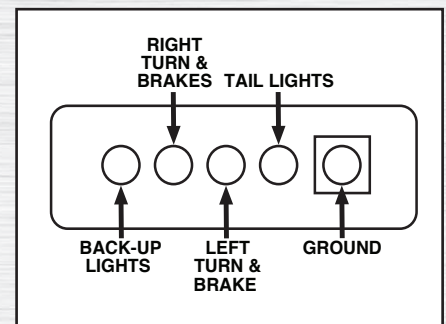
**Includes:** 3-Way Trailer Adapter, 500mA Battery Charger and Internal Battery Compartment



7-Way Flat Pin



6-Way Round Pin

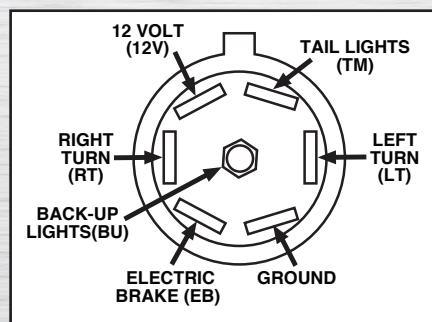
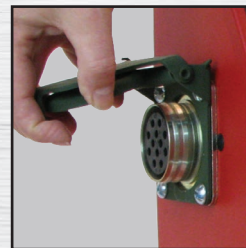


4/5 Pin

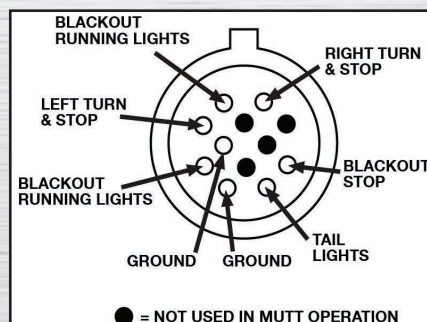
## MILITARY TRAILER TESTER MODEL (SAE J560 and 12-Pin STANAG 4007 NATO)

### #M2000 **NATO MUTT®** Diagnostic Lighting, Air Brake and ABS Tester

**Includes:** (2) 12-Button Remote Controls, 5' 7-Way Cable, 8' Gladhands, 10A Smart Battery Charger, Face/Battery Shield and Rain Cover



7-Way Flat Pin



12-Pin NATO





# RELATED PRODUCTS

## #9200A **TACTICAL TRAILER TESTER FIELD KIT** WITH **ELECTRIC BRAKE FORCE METER**



**Test and Clean Tow Circuits on All Trucks and Trailers In North America**

### Features and Benefits

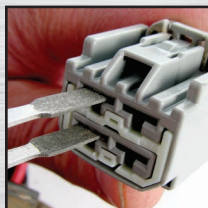
- Tests all trailer and truck-side tow circuits
- Simulates trailer load
- Cleans all truck and trailer electrical connections
- Custom case is water and crushproof and features a Pressure Equalizer (Purge) Valve
- Lifetime warranty on case

### Includes\*

1. #9102 HEAVY RANGER MUTT® (Battery Not Included)
2. #9107B ELECTRIC BRAKE FORCE METER WITH 25' CABLE
3. #CHR0001 500MA BATTERY CHARGER
4. #8000 3-WAY TRAILER ADAPTER
5. #7900A-5A 7-WAY ROUND TO 7-WAY FLAT (SPADE) ADAPTER
6. #7900K-1-8AS 8' 7-WAY ROUND CABLE
7. #8040 DIAMOND-TIP ELECTRICAL TERMINAL CLEANERS
8. #8044 TRUCK AND TRAILER PIN MASTER CLEANER SET
9. #7866 4/5 PIN TRAILER HARNESS CHECKER
10. #7897 6-WAY ROUND PIN TRACTOR TRAILER CIRCUIT TESTER
11. #7893 7-WAY FLAT (SPADE) PIN TRAILER CIRCUIT TESTER
12. #7865L 7-WAY ROUND PIN TRACTOR TRAILER CIRCUIT TESTER



\*All Items Also Available Individually





# RELATED PRODUCTS

## #8048 HD FLEET TECHNICIAN'S ELECTRICAL TERMINAL MAINTENANCE SET

**Specially Designed Tools for Cleaning All Vehicle Electrical Connections in Commercial Heavy-Duty Fleets**

- Removes corrosion and extends harness life
- Ensures proper diagnostic connectivity
- Cleans Deutsch, Cannon, 7-way round pin, Bullet, Weather Pack, common ABS sensor and power connectors, trailer light connectors and plow connections
- Includes premium-quality holster with magnetic clasp



**PATENTED**

## #7865L 7-WAY ROUND PIN TRACTOR TRAILER CIRCUIT TESTER

**Allows "One-Man Testing" for Male and Female 7-way Round Pin Tractor Trailer Plugs**

- Plugs into vehicle-side socket
- LEDs indicate that each circuit is working
- Allows bypassing of troubled circuitry while on the road
- Winged grip for easy installation and removal
- Packaged with an extra brass jumper



**PATENTED**

## #7862 GREASE JOINT REJUVENATOR® PROFESSIONAL MODEL

**Forces Light Oil into a Grease Joint, Flushing Out Old Hardened Grease and Allowing New Grease to be Pushed Through**

- Instantly opens clogged grease joints
- Cleans ways and stays in milling machines and lathes
- Lubricates and unclogs bearings, control arms, king pins, piston arms, packaging, shafts, bushings, etc.
- Can be used on farm, construction, lawn, excavating, manufacturing, machine shop and well-drilling equipment, as well as trucks, trailers and marine drive trains
- Also available in Maser Kit (#7863) and Pocket Model (#7864)



MADE AND  
ASSEMBLED IN  
  
**USA**

**ORIGINAL  
PATENTED  
DESIGN**

## #8050-#8053 AIR COMB® FILTER AND RADIATOR CLEANER

**Multi-Port Air Gun with Flush 90° Air Flow**

- Focused, high-pressure output with 5X the air volume
- Long-reaching, 90° air flow accesses hard-to-reach areas
- Does not punch holes in air filters
- Available in four sizes: 12" (#8050), 24" (#8051), 36" (#8052) and 48" (#8053)





# Call Your Authorized IPA® Distributor for Pricing

Innovative Products of America® (IPA®) is a family-owned-and-operated Original Equipment Manufacturer (OEM) specializing in the development of innovative, professional tools and equipment since 1996 and is known throughout the industry for providing exceptional quality and service.

Located in Woodstock, New York, IPA®'s 75,000+ sq. ft. facilities include on-site soldering, CNC, welding, fabrication and mechanical production lines that are supported by a team of electrical and mechanical engineers as well as full-service sales and marketing departments. These elements allow IPA® to offer cutting-edge solutions, holding true to the company's motto, **Future Now®** to be at the forefront of maintenance solutions for the fleet, automotive, industrial and agriculture aftermarkets.

For more information visit us at [www.ipatools.com](http://www.ipatools.com).

## Warranty Information

IPA® stands behind the quality of our tools and equipment. All IPA® products are backed by a 24-Hour (business day) Repair or Replace Policy that is second-to-none. Once your item arrives at our facility, we will repair or replace it and ship it back to you within 24 hours. To return an item for warranty, call our toll free number to receive your RGA# before shipping the product back to IPA®. For more information, please call 888-786-7899 or email: [tech247@ipatools.com](mailto:tech247@ipatools.com).

Innovative Products of America® Incorporated has established a Lifetime, 3-Year, 2-Year or 1-Year Warranty Policy depending on which tool you purchase. Each warranty is suited to an individual product and complete warranty information is included with the product or supplied upon request.

**LR Lifetime Warranty/Return or Replace Policy:**

These products are covered for their normal lifetime under the stipulation of the Standard Warranty.

**3YR 3-Year Limited Warranty/Return or Replace Policy:**

These products are covered for 3 years from date of original user purchase under the stipulations of the Standard Warranty.

**2YR 2-Year Limited Warranty/Return or Replace Policy:**

These products are covered for 2 years from date of original user purchase under the stipulations of the Standard Warranty.

**1YR 1-Year Limited Warranty/Return or Replace Policy:**

These products are covered for 1 year from date of original user purchase under the stipulations of the Standard Warranty.



Innovative Products of America® Incorporated is a trademark of Innovative Products of America® Incorporated. The specifications and images used in this catalog are based on the latest information at the time of printing. Innovative Products of America® Incorporated reserves the right to change the information within at any time and without notice. Innovative Products of America® Incorporated is not responsible for errors in spelling, punctuation or color matching in the printing of this catalog. Unauthorized use or reproduction of this catalog, images or written copy without the written consent of Innovative Products of America® Incorporated is prohibited. All images are the property of Innovative Products of America® Incorporated. © 2023 Innovative Products of America® Incorporated.