



American Innovations



2023 FIELD SERVICE EQUIPMENT CATALOG

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Bullhorn Remote Monitors
PCS Field Data Collector
Pipeline Compliance Software

The industry leader in end-to-end
cathodic protection solutions.

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Proven compliance solutions.
Relentless service.



Mega Rule Compliance Made Easy With Tools from American Innovations

Cathodic Protection
Close Interval Surveying & Assessment
AC Interference Monitoring
DCVG
Triton Test Stations
Portable Interrupters


American Innovations is the leading provider of field data collection, remote monitoring, and pipeline compliance for the oil and gas industry. From the field to the office through a secure cloud, American Innovations is there.


NEW RELEASES

Bullhorn RM5 rectifier remote monitors
PCS Field Data Collector with DCVG

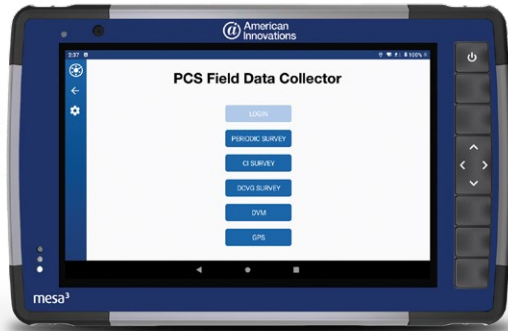
The recent PHMSA Mega Rule expansion means you're responsible for compliance for potentially tens of thousands of additional pipeline miles. The expansion includes requirements our products are ideally suited to meet.

Ed Kruff
CEO
American Innovations
info@aiworldwide.com

 @American Innovations

 American Innovations

MESA 3 RUGGED TABLET KIT



826232-200

(Software Sold Separately)

Features:

- Android OS and the eight-core processor deliver lightning-fast performance.
- ULTRA-RUGGED Meeting IP68 and MIL-STD-810G ratings, the Mesa 3 is designed to work in the harshest conditions. Rain, extreme temperatures, or dust will not get in the way of your productivity.
- YOUR OFFICE IN THE FIELD The seven-inch display, high resolution camera, 14-hour battery life, and cellular capabilities enable you to be more productive in the field all day.



**Mesa 3 with keyboard
Data Cane Mount**

[517344-000](#)



DVM2130

Bluetooth/GPS Included
Calibrated
826219-100

Your hardware doesn't mean much without the right software. Learn more about all the features and benefits of PCS Field Data Collector software on our website.

The Allegro AX Field Computer and Mesa 3 Rugged Tablet are just what you need for a day of close interval, DCVG, or periodic surveys. They both have everything that you need to assess facilities, leaks, and atmospheric corrosion and valves. And both work with the PCS Field Data Collector app, available on Android and iOS. Choose the one that best fits your needs.

ALLEGRO AX FIELD DATA PC



826565-100

(Software Sold Separately)

Features:

- Integrated DVM that delivers accuracy of 0.25 percent when reading DC voltage – even in the presence of up to 100 volts of AC interference – and a highly-accurate, WAAS-enabled internal GPS.
- QWERTY keyboard and full number pad.
- Integrated camera that allows you to instantly add atmospheric inspection photos to your inspection record.
- Color VGA display with a resolution that's four times better than previous models and is easy to read, even in direct sunlight.
- Quick-charging lithium-ion battery that will last for up to fourteen hours of nonstop surveying.



DVM1110 for Allegro AX

Calibrated
626692-100



**Geode GNS3S Single
Frequency GPS/GNSS
Receiver**

(w/ 9-pin connector)
[826914-000](#)

ADDITIONAL PARTS



Nut Driver, 7/16" for all TC/DC Canes

Klein 630-7/16
[213034-000](#)



Replacement Reel for TC-150/DC-150

Fully wired w/ mounting
hardware
[517226-100](#)



Allegro Plastic Mounting Bracket

121233-000



iPad Cane Mount

(iPad Not Included)
[517390-000](#)

Allegro Data Cane Mount

[517345-000](#)



Mesa 3 Data Cane Mount

[517343-000](#)



Mesa 3 with Keyboard Data Cane Mount

[517344-000](#)



ALLEGRO AX ACCESSORIES



Allegro Field Computer Case (case only)
[213028-003](#)



Dock for Allegro
[626416-001](#)



Lithium-Ion Battery Pack for Allegro
[370044-001](#)



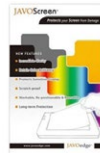
Cigarette Lighter Power Adapter for Allegro
[626176-000](#)



Allegro Charger
[370057-000](#) (US only)
[370057-001](#) (International)



Pen-Style Stylus for Allegro, 3 Pack
[517113-001](#)



Screen Protector for Allegro
[517123-001](#)



QX accessory to Allegro MX
Converter Cables
3 Pin M8 to 3 Pin mini-XLR
[517134-003](#)

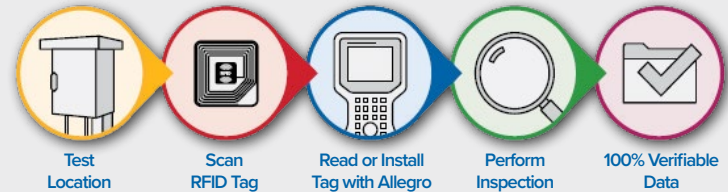


Adapter
3 Pin M8 Y Splitter for Allegro
[517131-001](#)

RFID READER AND TAGS

Tag Facilities For Easy Assessment

HOW IT WORKS: Allegro Field Data PC and RFID



Allegro or Mesa 3 + RFID Tags + RFID Reader = 100% Verifiable Data



RFID StickOn Metal Tag
[517182-000](#)



RFID Key Fob Tag
[517183-000](#)



RFID Tear Drop Tag Steel
[517199-000](#)



RFID Peel and Stick Vinyl Tag
[517184-000](#)



RFID Bluetooth Reader
[517274-000](#) (Windows)
[517368-000](#) (Android)
[517391-000](#) (iOS)

CANES

Features:

- Adjustable Height
- RAM Enabled
- Spooled with #22 AWG wire
- Multiple mounting options
- 1/4-20 Female threaded connector for half cell
- Fully wired to accept any voltmeter/ Allegro or Mdata collector



Data Cane with Mesa 3 Mount with Keyboard/ Push Button

517365-151

150' Wire Spool Data Canes		
	No Reference Cell	With Reference Cell
Data Cane with Push Button for Allegro	517128-150	517128-151
Data Cane with Allegro Mount/ Push Button	517363-150	517363-151
Data Cane with Mesa 3 Mount/ Push Button	517364-150	517364-151
Data Cane with Mesa 3 Mount with Keyboard/ Push Button	517365-150	517365-151

When facing a long day of periodic surveys, the Allegro AX coupled with a Data/Test Cane allows you to collect and capture data easily.

CIS SURVEY EQUIPMENT



Survey Probe Continuous Reading

Adjustable Height

[517132-000](#)

517132-100 (w/ reference cell)

Survey Probe Data Button Model

Adjustable Height for Mesa/
Allegro (3 Pin M8)

[517196-001](#)

517196-101 (w/ reference cell)



Hip Pack, HP-100 w/Pulsed Wire Chainer

For Mesa/Allegro (3 Pin M8)

[517133-001](#)



Waist Belt

213058-000

Shoulder Hook Kit

[517354-000](#)



CIS Backpack w/Pulsed Wire Chainer

For Mesa/Allegro (3 Pin M8)

[517349-100](#)



Test Reel TR-150

517236-150



REFERENCE ELECTRODES



**Reference Electrode
Half Cell**
[626621-000](#)



**Reference Electrode Half
Cell Top Assembly**
[626621-003](#)



**Reference Electrode
Half Cell Tip**
[626621-001](#)



**Reference Electrode
Half Cell Body**
[626621-002](#)



**Half Cell Kit 30 Year
Cu-CuSO4**
[826151-000](#)



Electrode Repair Kit
[517234-000](#)

COPPER SULPHATE

Bulk Copper Sulphate Crystals - 2.5 lbs

[517228-000](#)

Bulk Anti-Freeze Solution - 32 oz

[517229-000](#)

**Twin Pack - Anti-Freeze Solution 32 oz
and Copper Sulphate Crystals 2.5 lbs**

[517235-000](#)



Bulk Copper Sulphate Crystals – 0.5 lb

[517228-001](#)

Bulk Anti-Freeze Solution – 8 oz

[517249-000](#)

**Twin Pack - Anti-Freeze Solution 8 oz
and Copper Sulphate Crystals 0.5 lb**

[517235-001](#)



Electrode Restore Kits

Warm Weather

[517230-000](#)

Cold Weather

[517231-000](#)



SURVEY WIRE



Features:

- Single-build polyurethane/nylon wire coating (NEMA spec no. MW-80C)
- A spool constructed of high-density plastic that has a 3-inch flange diameter and fits a 5/8-inch spool arbor
- Individual packaging in a protective box
- Pigtail length of 12 inches (minimum) through bottom hole in flange with PVC strain relief

Survey Wire - 30 awg

1 mile

[517270-000](#)

Survey Wire - 34 awg

4 mile

[517272-000](#)

Survey Wire - 31 awg

2 mile

[517271-000](#)

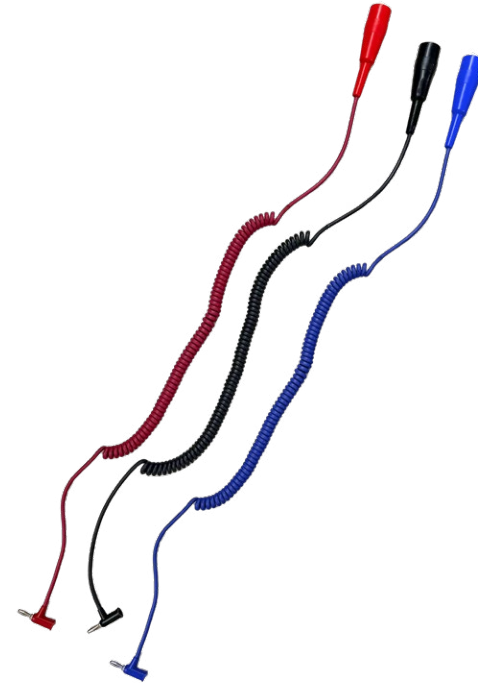
Survey Wire - 31 awg

7 mile

[517271-001](#)

American Innovations offers flexible and abrasion-resistant survey wire spools with natural lubricity for easy unwinding. Available in various lengths and weights, our spools are designed to meet your survey needs. Our newly redesigned spools come with flexible PVC strain relief and plastic netting that conforms to the spool's shape, providing improved performance, reliability, and protection against wire snags and breakage.

TEST LEADS



1' Coiled Single Conductor Lead Wire/ Stackable Banana Plug/ Insulated

- 20 amp Test Clip
[626628-000](#) (SET)
- 25 amp Test Clip
[626631-000](#) (SET)
- 40 amp Test Clip
[626627-000](#) (SET)

2' Coiled Single Conductor Lead Wire/ Stackable Banana Plug/ Insulated

- 20 amp Test Clip
[626629-000](#) (SET)
- 25 amp Test Clip
[626630-000](#) (SET)
- 40 amp Test Clip
[626633-000](#) (SET)

CLIPS & PLUGS



Right Angle Banana Plug

[100456-000](#) (BLACK)

[100457-000](#) (RED)



Straight Banana Plug

[100294-000](#) (BLACK)

[100297-000](#) (RED)



Plier-Type Hippo Clip

[100480-000](#) (50 amp RED)

[100481-000](#) (50 amp BLACK)

[100482-000](#) (200 amp RED)

[100483-000](#) (200 amp BLACK)



Alligator Clip with insulator, 5 amp

[100472-000](#) (BLACK)

[100473-000](#) (RED)

TEST CLIPS & INSULATORS

General Purpose Clip

20 amp

[100455-000](#)



General Purpose Clip

40 amp (Copper)

[100484-000](#)



Insulator for

20 amp and 40 amp Clip

[100493-000](#) (BLACK)

[100494-000](#) (RED)



Heavy Duty Clip

25 Amp

[100490-000](#)



Insulator for 25 amp Clip

[100491-000](#) (BLACK)

[100492-000](#) (RED)



SOIL RESISTIVITY



**MicroMax® SRM 100-A
Soil pH & Resistivity Meter,
Short Probe, Bell Hole Kit**
826794-100

**MicroMax® Soil pH &
Resistivity Meter for SRM**
826794-000



**MicroMax® SRM 100-A
Soil pH & Resistivity Meter,
Long Probe**
826794-200



**Long Bell Hole Probe for
SRM-100 (36 inch)**
[626625-000](#)



**Short Bell Hole Probe for
SRM-100 (12 inch)**
[626624-000](#)



**MicroMax® SRM 100-A
Soil pH & Resistivity Meter,
Total System**
826794-300

**MicroMax® Soil pH & Resistivity
Maintenance Kit**
517232-000





Bullhorn[®]
Monitoring



You can count on our Bullhorn remote monitors to keep tabs on difficult to inspect facilities. Bullhorn's rugged design ensures accurate data, even in extreme conditions.

With the cloud-based Bullhorn Web, you can report on your data anytime, anywhere.

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BULLHORN[®] REMOTE MONITORING

BULLHORN RM5

Fewer trips. Faster stops.
Better compliance.



Bullhorn RM5 I/O



REL2510 Solid State
Relay



RM5 Power Supply



RM5 Dome

**New PHMSA Mega Rule
Compliance Solutions**

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Find the Right Bullhorn for Your Rectifiers



SATELLITE



RM4014S

RM4015

Application	Rectifier	Rectifier
Analog Channels	4	4
Digital Channels	2	2
Typical Measurements	<ul style="list-style-type: none"> ✓ Rectifier Volts ✓ Rectifier Amps ✓ Pipe-to-Soil 	<ul style="list-style-type: none"> ✓ Rectifier Volts ✓ Rectifier Amps ✓ Pipe-to-Soil
Interruption	Yes	Yes
Communication	Two-Way	Two-Way
Mounting	External	Internal
Surge Immunity	Hardened	Requires Surge Kit
Surge Rating	30kV	8kV
Power Source	Line	Line
Backup Power	Battery	Battery
Warranty	3 Year All Inclusive	Standard

CELLULAR



RM4016

RM4150S

RM5

Application	Rectifier	Rectifier	Rectifier
Analog Channels	4	5	4
Digital Channels	2	2	2
Typical Measurements	<ul style="list-style-type: none"> ✓ Rectifier Volts ✓ Rectifier Amps ✓ Pipe-to-Soil 	<ul style="list-style-type: none"> ✓ Rectifier Volts ✓ Rectifier Amps ✓ Pipe-to-Soil ✓ Instant Off 	<ul style="list-style-type: none"> ✓ Rectifier Volts ✓ Rectifier Amps ✓ Pipe-to-Soil ✓ Instant Off
Interruption	No	Yes	Yes
Communication	One-Way	Two-Way	Two-Way
Mounting	External	Internal	Internal
Surge Immunity	Requires Surge Kit	Hardened	Hardened
Surge Rating	8kV	30kV	30kV
Power Source	Solar	Line	Line
Backup Power	Battery	Battery	Battery
Warranty	Standard	3 Year All Inclusive	3 Year All Inclusive

PORTABLE INTERRUPTION



MicroMax® GPS300

line-powered

[826783-000](#)



MicroMax® GPS360

with built-in relay and battery
for remote locations

[826790-000](#)



Tool Bag

Denier Fabric

[213025-000](#)

Power / Control Cable for GPS300/350/360

[626545-000](#)



GPS Configuration Cable

[626385-000](#)



GPS AC/DC Power Input Cable with Alligator Clips

[626552-000](#)



GPS Mini Magnetic Mount Antenna

[214042-000](#)



Replacement Magnet for GPS 300/350/360

[130328-000](#)



BULLHORN® REMOTE MONITORING

RELAYS



**60A Mercury Relay w/3ft
Welding Cables**

[826761-000](#)



**100A Mercury Relay w/3ft
Welding Cables**

[826762-000](#)

**80A, AC Solid State Relay,
Normally Closed**

[826781-000](#)

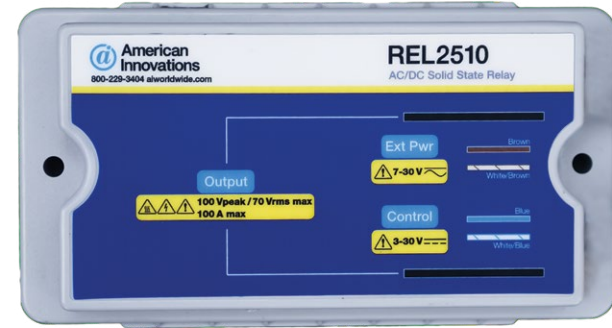


**100A, AC Solid State Relay,
Normally Closed**

[826782-000](#)



**2023 MP Corrosion Innovation
of the Year Award Winner**



NEW! REL2510 AC/DC Solid State Relay

[826793-100](#)

REL2510 FEATURES

- ✓ Interrupts Low Voltage Output Rectifiers
- ✓ Supports Fast Cycle Interruption
- ✓ Industry-Leading Surge Protection
- ✓ Quick and Easy Installation
- ✓ Weather-Sealed Construction
- ✓ Powered Off From Secondary Rectifier Taps
- ✓ Magnetic Mounting

BULLHORN ACCESSORIES



Antennas for RM4150/51
[517276-000](#) (Kit)

GPS 3.3V Mini Magnetic Antenna for RM4150/51
[214070-000](#)

LTL Cellular 3.3V Mini Magnetic Antenna for RM4150/51
 214072-000



Magnetic Mount Kit RM4150
[517195-000](#)



Wall Plug, AC/DC, 110-240VAC, 18W, 12VDC Power Supply
[370155-000](#)



Replacement Battery for RM4150/51/60
[370109-000](#)

Satellite Cable for RM4014/15/16 - 6'
[626603-000](#)

Extension Cable for RM4014/15/16 - 10'
[626634-000](#)

Extension Cable for RM4014/15/16 - 20'
[626634-001](#)



15' Cable Assembly
 TNC Male to TNC Female, RG174
[626570-001](#)

15' Cable Assembly
 RPTNC Male to RPTNC Female, RG174
[626571-001](#)

12V Rechargeable Battery
 3.4AH
[370042-000](#)



BULLHORN ACCESSORIES



Safe-T-Stepper

[126011-000](#)



Solar Power Kit

12V, 1.65W, Unregulated w/
Circular Connector

[517171-000](#)



DC-DC Converter

Input 3-36 VDC, Output 12 VDC
1 AMP

[626550-000](#)



AC Power Kit

Switching 12 VDC, 20 W

[626469-001](#)



Current Transformer

0-30 / 60 / 120 Amps
(Selectable)

[370138-000](#)

LIGHTNING PROTECTION

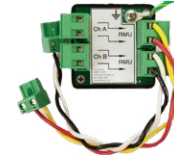
Bullhorn® SurgeDetector

[826212-000](#)



Bullhorn® SurgeFuse

[826211-000](#)



Surge Arrester

High Energy, External Mount,
with ¼" Terminals

[517190-000](#)



Lightning Arrester

High Energy, with ¼" Terminals

[626694-100](#)



Bullhorn® Surge Arrester Kit:

High Energy Surge Arrester,
SurgeFuse,
SurgeDetector

[517278-000](#)



Bullhorn® Advanced SurgeProtect Kit:

AC - Surge Arrester
DC - Lightning Arrester

[517278-100](#)



BULLHORN® REMOTE MONITORING TEST STATION MONITORS

Bullhorn® AC/DC Coupon Remote Monitor

826551-050 (4210 Satellite)

826562-010 (4250 Cellular)

Features:

- AC/DC current density
- AC/DC pipe-to-soil
- PCR AC current drain or voltage
- Instant off



Bullhorn® AC/DC Coupon Remote Monitor

826561-000 (4211 Satellite)

826563-010 (4251 Cellular)

Features:

- AC/DC pipe-to-soil
- ON/OFF Potentials
- Rectifier Volts and AMP (with external shunt)
- Bond Negatives
- Instant-off through coupon



PHMSA Mega Rule Compliance
Test station monitors let you automate
and remotely monitor AC interference.

COUPON TEST STATIONS

Dynamic Design – All measurement-related components are integrated into a single industry-standard, 3-inch diameter riser post package. Its streamlined form factor provides easier transport, inventory management, and installation.

Ease of Installation – Each coupon test station includes AC coupons and a Reference Cell in an integrated package that’s simple to install. The primary and secondary pipeline connections are pre-installed.

Varied Dimensions for Different Scenarios – Multiple coupon assemblies are available to cover the varied range of coupon sizes and configurations needed for different measurement scenarios.

	Triton CTS AC 310	Triton CTS AC 311	Triton CTS AC 320	Triton CTS AC 321
Coupons				
AC Coupon 1	1cm ² AC	1cm ² AC	1.44in ² AC	1.44in ² AC
DC Coupon 1	10cm ² DC native	100cm ² DC native	10cm ² DC native	100cm ² DC native
DC Coupon 2	10cm ² DC polarized	100cm ² DC polarized	10cm ² DC polarized	100cm ² DC polarized
Reference Electrode	Included			
Compatible RMUs	RM4210 and RM4250			

Triton Test Stations include three coupons and a reference electrode. Take all your cathodic protection and AC interference measurements using a single, integrated package. Every feature, from the size of the AC coupon to the heavy-duty test switch, is designed to make the Triton highly accurate, durable, easy to install and simple to use.



Triton CTS AC 310

- 30' - 826220-100
- 50' - 826220-101
- 100' - 826220-102



Triton CTS AC 311

- 30' - [826208-100](#)
- 50' - [826208-101](#)
- 100' - [826208-102](#)



Triton CTS AC 320

- 30' - 826222-100
- 50' - 826222-101
- 100' - 826222-102



Triton CTS AC 321

- 30' - 826221-100
- 50' - 826221-101
- 100' - 826221-102

DC COUPON TEST STATIONS

Dynamic Design – All measurement-related components are integrated into a single industry-standard, 3-inch diameter riser post package. Its streamlined form factor provides easier transport, inventory management, and installation.

Ease of Installation – Each coupon test station includes DC coupons and a Reference Cell in an integrated package that's simple to install. The primary and secondary pipeline connections are pre-installed.

Varied Dimensions for Different Scenarios – Multiple coupon assemblies are available to cover the varied range of coupon sizes and configurations needed for different measurement scenarios.

	Triton CTS DC 100	Triton CTS DC 200
Coupons		
DC Coupon 1	10cm ² DC polarized	10cm ² DC polarized
DC Coupon 2		10cm ² DC native
Compatible RMUs	RM 4211 RM 4251	RM 4210 RM 4250
Reference Electrode	Included	



Triton CTS DC 100

- 30' - 826223-100
- 50' - 826223-101
- 100' - 826223-102



Triton CTS DC 200

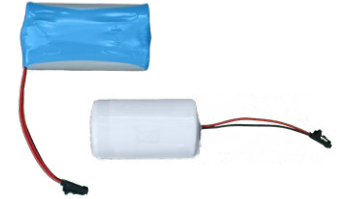
- 30' - 826224-100
- 50' - 826224-101
- 100' - 826224-102

ACCESSORIES

Replacement Battery Kit

RM4210/4211/4250/4251

[517206-000](#)



Mounting Kit

[517208-000](#)



Cable Assembly

Triton to RM4210/4250

Installation

[626583-001](#)



Test Station Cap

[131405-001](#) (Yellow)

[131405-009](#) (Blue)

[131405-010](#) (Red)



Replacement Test Station Head

for RMU 4250/4251

[826206-001](#)





IDEAS PORTAL

Have an idea on how we can improve a product? Let us know via our Ideas Portal.

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