

TEST EQUIPMENT CATALOG

2024





Wire and Valve Locators



Pro881™ Underground Cable Locator with Inductive Clamp

- Digital Signal and Noise Rejection
- Simple 3 Button Transmitter
- 3 Transmission Frequencies
- 3 Connection Methods
- Null or Peak Tracking
- Easy to Read LED Indicators
- Low Battery LEDs
- Inductive Clamp and Stereo Headset Included

Weight:	8 lbs.
Tracking Range Depth:	Up to 8 feet
Distance:	5,000 feet with direct connection
Distance:	Unlimited with broadcast mode and leapfrogging
Tracking Signals	Frequency One: 2 kHz direct connect Frequency Two: 33 kHz direct connect Frequency Three: 175 kHz via clamp or internal broadcast antenna
Power Source:	Transmitter: Eight (8) 'D' Cells Receiver: One (1) 9 V (6LR61) NEDA 1604

The Pro881™ Underground Cable Locator is an easy, fast operating digital locator designed to get the job done quickly and accurately. Minimal settings make the Pro881 a great choice for new or seasoned maintenance staff. Incorporating three different locating frequencies, the Pro881 tracks many types of cabling, including irrigation, CATV, electrical, telephone, and lighting. The Pro881 incorporates digital reception filtration to eliminate unwanted AC noise and interference for efficient, uncomplicated locates. The Pro881™ uses the IC4 inductive clamp, injecting a 175 kHz tracing signal onto energized or de-energized cabling while the digital filters remove signals that are not desired. Inductive locating allows non-contact connection of tracing signal, avoiding dangerous electrical voltages or disconnection of a traced cable.



Pro900™ Advanced Digital Cable and Wire/Valve Locator

- Tracks Outdoor Lighting Wires, Cable and Telephone Lines, Irrigation Wiring and AC Power Lines
- Three Modes of Connection: Direct Connect, Inductive Clamp, and Inductive Antenna
- Adjustable Power Levels
- Dual Frequencies in Direct Connect Mode
- Our Highest Powered Transmitter Ever
- Advanced AC Noise Rejection for Faster and More Accurate Tracking
- Two Listening Options: External Speaker or Stereo Headset
- Null or Peak Reception Modes
- Backlit Digital Display
- Sealed Membrane Switch Technology
- Includes Transmitter, Receiver, Inductive Clamp, Stereo Headset, Ground Stake, Leads, Transformer

Weight:	10 lbs. with case
Tracking Range Depth:	8 feet
Distance:	5,000 feet with direct connection
Distance:	Unlimited with broadcast mode and leapfrogging
Tracking Signals	Frequency One: 2 kHz direct connect Frequency Two: 33 kHz direct connect Frequency Three: 175 kHz via clamp or internal broadcast antenna
Signal Output:	900 V peak with no load / 1 W maximum
Power Source:	Transmitter: External AC or Eight (8) 'D' Cells Receiver: One (1) 9 V (6LR61) NEDA 1604

The Pro900™ Advanced Underground Locator features include three connection methods, digital displays, and the ability to power the transmitter through an AC outlet or with batteries. The traditional direct connection mode offers two frequency options, allowing the user to adapt to different wire depths and distances. Connecting via the inductive clamp is simple and safe, and the user doesn't have to deactivate a system in order to trace the wire. The broadcast mode applies a tracking signal wirelessly, allowing the user to quickly locate hidden wires and cables. The Pro900™ has two listening options; an external speaker, or a convenient and durable stereo headset. In addition, the Pro900™ has improved range, perfect AC noise rejection, and intuitive controls. The Pro900™ is truly our most advanced and most versatile locator.

Scan the QR code for a Pro900™ training video ...



Pro800D™ Hi-Power Wire and Valve Locator

- Direct Wire Connection or Broadcast Non-Contact Mode
- Improved AC Noise Rejection
- High Power Output
- Low Battery Indicator LED
- Null or Peak Reception
- Headset and Ground Stake Included

Weight:	Transmitter 5 lbs. / Wand 3 lbs.
Power Output:	900V P-P / 6 variable settings
Batteries:	8 "D" Cell for Transmitter 1 9v NEDA 1604 for Wand
Transmitter Frequency:	2 kHz and 175 kHz in Broadcast Mode.
Voltage Protection:	110 VAC / 200 VDC

The Pro800D™ will accurately track irrigation wires, find missing valves, and detect major damage to vulnerable underground cables. It offers all of the features you would expect from a premium wire and valve locator: adjustable transmitter power for optimal performance, a long, lightweight receiving wand for easy tracking, and a rugged custom case. Additionally, the Pro800D™ has enhanced AC noise and interference rejection, high power output, and an inductive mode which puts a tracing tone on a cable without physically connecting to the target cable. By using this mode, it is unnecessary to disconnect target cables. Finally, the receiving wand incorporates membrane switch controls, the option of peak or null reception, and both an external speaker and headset jack. Truly, the Pro800D™ is one of the premium wire and valve locators on the market today.



Wire and Valve Locators cont.



Pro700 Duo™ Underground Wire and Sprinkler Valve Locator

- Locates Wires, Valves, and Breaks
- AC Noise Elimination Circuit
- Extra Long 27 inch Wand
- Detachable Connecting Cordset
- External Speaker or Headset Reception
- Large Analog Strength Meter on Transmitter and Receiver
- User Selectable Power Output and Reception Levels
- Two Transmitter Tone Options of Pulse or Continuous

Weight	Transmitter 5 lbs. / Wand 3 lbs.
Power Output:	750v P-P / 5 variable settings
Output Frequency:	2 kHz
Batteries:	8 "D" Cell for Transmitter 1 9v NEDA 1604 for Wand
Kit Includes:	Headset, Ground Stake

The Pro700 Duo™ Wire and Valve Locator improves on the popular Pro700™ model with the addition of continuous tone as well as the traditional pulsing tone. Simply choose pulse or continuous on the transmitter to change between the traditional pulsing tone and the new continuous/solid tone. The continuous tone is especially helpful in troubleshooting broken or severely damaged wires. Like the Pro700™ before it, the Pro700 Duo™ can be used to track wires, find lost irrigation valves, and detect breaks in the wire path. It emits a powerful signal that is easily tracked using the receiver. The Pro700 Duo™ has 5 power output levels to adapt to any job, large analog meters that are easy to read, and battery check buttons that quickly indicate the battery condition of the wand or transmitter.



Pro300™ Residential Wire and Valve Locator

- Locates Wires and Valves
- Ground Circuit Strength LED
- Detachable Swinging Antenna
- Receiver Volume Control
- Uses Standard 2 kHz Null Tracking Signal
- Ground Stake Included
- Transmitter Automatic Off Switch
- Range – at least 1,000 ft., Depth – up to 4 ft.

Weight:	Transmitter 3 lbs. / Wand 1 lb.
Power Output:	350v P-P
Output Frequency:	2 kHz
Batteries:	8 "C" Cells for Transmitter 1 9v NEDA 1604 for Receiver

The Pro300™ Residential Wire and Valve Locator is a value packed tool for contractors working with shorter wiring like residential sprinklers or invisible fences. The Pro300™ consists of a transmitter and receiver combination just like its big brother, the Pro700™, but uses a smaller power output to match smaller jobs. The 2 kHz frequency, null tracking signal, and setup are exactly the same as the Pro700™. Designed to keep within budget, the pricing is small as well.



Pro65™ Plastic Pipe Locating Accessory

- Trace Plastic Pipe as Small as ½ inch Diameter
- Use any Locator Frequency for Tracking
- Use 33kHz for Sonde (Tip) Activation
- Bend Radius of 2 inches
- No Electronic Parts

The Pro65™ Plastic Pipe Tracking Aid is a patented miniature locating accessory for tracking non-wired plastic pipe. Simply connect the locator to one post and the other lead to ground, insert the Pro65™ into a plastic pipe through a sprinkler head or any opening, energize, and track. Blockages are simple to locate by wither tracking until the sound stops or using the 33kHz Sonde method to only detect the end of the Pro65™ and where it is blocked. The Pro65™ reaches 65 feet and can turn 90 bends with little difficulty. Weighing less than 3 pounds, it is rugged and tough enough for the irrigation world.



Cable Locators



Pro400™ Handheld Graphical TDR Cable Fault Finder

- Lowest Cost Full Specification Professional Graphical TDR
- Rugged hand held design weighs less than 12 oz.
- 5 Measurement Ranges up to 20,000 ft.
- 25, 50, 75 & 100 ohms Selectable Cable Impedance
- Built in Tone Generator for Wire Tracing and Identification
- Backlit display screen
- Water and Dust Proof to IP54
- Carrying case and test leads

Weight	350gms (12 oz.)
Batteries:	4 x AA cells
Ranges @ Vp=70%:	45, 90, 160, 360, 750, 1500, 3000, 6000, 10k feet and 20k feet
Range Selection:	Manual range control
Resolution:	Approximately 1% of range
Sensitivity:	Min. 3 pixel return at 5,700 ft.
Velocity Factor:	Adjustable from 1% to 99%

The Pro400™ is a professional Time Domain Reflectometer and Toner designed to detect and locate faults on copper cables up to a distance of 20,000 ft. Advanced signal processing techniques enable the Pro400™ to find opens, short circuits, splices, taps, water ingress and other more elusive impedance mismatches. A built in tone generator also provides a tone for wire tracing and identification. Selectable cable impedance matching, along with variable velocity factor, enable the Pro400™ to be used to test all communication cables, including twisted pair and coaxial, with graphical results and fault distances displayed on a dot matrix LCD. The Pro400™ is especially well suited to testing 2-wire irrigation control cables. The TDR/Toner is housed in a tough, ruggedized ABS plastic case, water and dust proof to IP54, and supplied complete with test leads and a protective tool-belt holster.



Pro290™ Mini Underground Wire Locator

- Locates Underground Wires
- Finds Broken Wires
- Ground Circuit Strength LED
- Detachable Swinging Antenna

Weight:	Transmitter 3 lbs. / Receiver 1 lb.
Power Output:	12 volt p-p
Output Frequency:	33 kHz
Batteries:	8 "C" Cells for Transmitter; 9 volt NEDA 1604 for Receiver
Kit Includes:	Ground Stake

The unique Pro290™ Landscape Lighting Wire Locator is a new tool for contractors working with landscape lighting or invisible fences. The Pro290™ consists of a transmitter and receiver and uses a limited power output to match sensitive landscape lighting bulbs. The Pro290™ uses an easy to track 33kHz frequency, and sets up in less than a minute. Simply connect the Pro290™ to the wire to be tracked and to the ground stake in dirt, get a good ground indication, and track the beeps with the hand held receiver.

Multi-Function Irrigation Testers



Pro50™ Digital AC/DC Solenoid Activator with Multimeter / Pro50K™ Kit

- Works with all low voltage solenoids, AC or DC
- Chatter or Activate Solenoids
- Built in Digital Multimeter for Wire and Solenoid Testing
- Sends Tracing Tone
- Kit Includes Pro210F Filter Probe and Carry Case

Weight:	Pro50: <1 lb. / Pro50K: <2 lb.
Power Source:	Pro50: (4) AA Batteries / Pro210F - (4) AA Batteries
Power Output:	24v to Activate/Chatter
Toner:	1kHz, 8 mW
Pro210F:	AC Filtered Reception

The new Pro50™ Digital Irrigation Tester and Multimeter is the very latest in irrigation troubleshooting technology. Gone are the antiquated LED dumb lights that are pre-programmed for static response. Digital allows for flexibility to work with all AC, DC, and specialty lightning resistant solenoids. The built in digital multimeter allows complete sprinkler system diagnosis and testing. In addition, chattering solenoids for locating purposes is now possible for all low voltage models, including the DC latching and high resistance models designed to protect against voltage surges. The Pro50™ does it all and does it digitally with modern controls and display. The Pro50K™ Kit adds the tough, advanced filter probe Pro210F™ and the zippered carry case to the set. It doesn't get any more modern or versatile than the Pro50™.



Multi-Function Irrigation Testers cont.



Pro48

Pro48K

Pro48™ Multi-Function Irrigation System Tester / Pro48K™ Kit

- Chatters Solenoids
- Activates and Holds Solenoids Open
- Generates 1 kHz Tracing Tone
- Checks Clock 24v Power Output
- Tests for Open or Shorted Wiring
- Kit Includes Pro210F™ Filter Probe and Carry Case

- Pro210F™ Functions and Features:
- Amplifies Tone Signal to Identify Wire
 - AC Noise Rejection
 - LED Headlight
 - Volume Control and Headset jack
 - 250+ Hours of Battery Life

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|--------------------------------|--|
| Weight: | Pro48: 1 lb. / Pro48K: 2 lb. |
| Power Source: | Pro48: (2) 9v / Pro210F - (4) AA Batteries |
| Power Output: | 24 VDC on Activate/Chatter |
| Tone Source: | 1kHz, 8 mW |
| Receiver Modes: | Broadband or AC Rejection |
| Power output for chatter mode: | Inrush current >200 mA (1000 ft. loop) nominal |
| Power output for holding: | Holding current >100 mA |

The Pro48™ tests clock voltage output, solenoid and wire condition, solenoid operation, as well as wire toning. The Pro48™ uses an easy-to-follow LED system that walks a user through the process. The Pro48™ also chatters solenoids, useful for locating lost or covered valve boxes. Simple to operate, the Pro48™ uses 2 9 volt batteries for all the power needed to operate solenoids. The Pro48™ multifunction irrigation system tester is a value-priced tester for irrigation contractors and maintenance personnel. The available Pro48K™ adds a tone probe and a zippered carrying case.

Ground Fault Locator



GFL3000™ Ground Fault Locator

- Locates Buried Ground Faults
- Dual Power Capability (Hi/Low)
- Audible 'On' Beeper
- Battery Power Indicator
- Custom Molded Case
- Rechargeable Battery (Includes Battery and Charger)

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|---------------|---|
| Weight: | Transmitter 8 lbs. / A-Frame 3 lbs. |
| Power Output: | 3200 VDC or 2400 VDC |
| Batteries: | 12 volt rechargeable Transmitter, 24+ hours |
| | 1 9v NEDA 1604 for A-Frame, 200+ Hours |
| Kit Includes: | Ground Stake, AC Battery Charger |

The GFL3000 Ground Fault Locator is an essential tool for pinpointing insulation faults in direct buried cabling. Incorporating dual power output, the GFL3000™ pinpoints ground faults where electrical voltage is being lost to ground. The GFL3000™ transmits a powerful charge that is tracked by the GFL3000™ receiver. By going in the direction of the analog needle kicks on the receiver, the exact spot of the fault can be found. The GFL3000™ offers features not previously available at this price point. The GFL3000™ has both high and low power capability. This allows the user to select the resistance level of the fault they wish to pursue. The built in power meter displays remaining battery life.

Multimeters



Pro95i™ True RMS Irrigation Milliamp Clamp Multimeter

- True RMS
- High AC Current Sensitivity (down to 5 microamps)
- Wide default resistance readings (up to 600,000 ohms)
- Also measures VAC and VDC
- Alligator clips included
- LPF (low pass filter) standard for accuracy
- English/Spanish cheat sheet
- Selectable display backlight
- Battery saving timeout (30 min) and low battery indicator

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|-----------------|---------------------|
| Weight | 1 lb. |
| Current: | 5 microamps to 60 A |
| Max Voltage: | 600 VAC or VDC |
| Max Resistance: | 600,000 ohms |

The Pro95i™ advanced AC milliamp clamp multimeter is perfect for 2-wire troubleshooting. The Pro95i makes it possible to diagnose cable and equipment faults in 2-wire systems without opening splices. The Pro95i measures AC line current with a resolution of 1 microampere simply by clamping over wires in a control cable. In addition, VAC, VDC and ohms measurements are available. All functions offer built-in auto ranging.

Scan the QR code
for a Pro95i™
training video ...





Multimeters cont.



Pro30™ General Purpose Digital Multimeter

- Simple Operation
- Case included
- Measures AC, DC, Resistance and amps
- Leads Wrap around the Meter for Convenient Storage

Weight: 0.3 lbs
Current: 200 mA DC
Voltage: 500 VAC / 500 VDC
Resistance: 0 – 2 megohms

The Pro30™ Digital Multimeter is perfect for sprinkler troubleshooting applications. The Pro30™ has the basic functionality needed to diagnose field wiring, solenoid and clock problems. Checking wires for loop resistance or opens and proper voltage supply to and from the clock is made simple. Includes a handy irrigation user tip card.



Pro40™ True RMS Digital Multimeter

- Auto-ranging Volt-Ohms-Amps Meter
- TRMS accuracy
- Measures up to 600 volts, 10 amperes and 60 Megohms
- Rugged protective jacket
- Large back lighted LCD display
- Detachable premium cord set for field flexibility
- Full IEC 61010 and CE safety tested to Cat III 600 volts
- Bonus measurement of capacitance, frequency, duty cycle and diode function
- Uses two (2) AAA batteries (not included)
- Non-contact voltage detection

Weight: Less than 1 lb.
Current: 10 amps AC/DC
Voltage: 600 VAC / 600 VDC
Resistance: 0-60 megohms

The Pro40™ True RMS Digital Multimeter is a premium tool for maintaining electrical systems, whether low-voltage irrigation, lighting, or AC power wiring. Fully industry specified and safety rated, the Pro40™ has internal fuses for easy maintenance if it is mis-connected. Not only does it make most any electrical measurement you might need, it has a "sniffer" non-contact voltage (NCV) detector built in. An LED flashlight rounds out the practical features of the Pro40™.



Pro12™ Wide-Range Non-Contact Voltage Detector

- Check outlets and insulated cables for power voltage before handling or using them
- Fully insulated for safety. IEC 61010 rated and CE compliant
- Two range settings allow the detection of low and high voltages like 12 volts AC and 120 volts AC in a single unit
- Audible and visual indicators
- Backlighted LCD display and headlight
- Uses two (2) AAA batteries (not included)

Weight: Less than 1 lb.

The Pro12™ Non-contact Voltage Sensor (NCV) gives users a safe, fast way to check for power in electrical systems whether low-voltage irrigation and lighting, or main AC power wiring. Fully industry specified and safety rated, the Pro12™ uses both visual and audible indicators for certainty. An LED headlight rounds out the practical safety features of the Pro12™.



Multimeters cont.



Pro90™ Automatic Clamp Multimeter

- One-button Automatic Operation
- Auto-Sensing, Auto-Ranging
- Battery Level Indicator
- Auto Backlit Digital Screen
- Solid Design
- Auto Shutoff
- CAT III Rated
- Battery and Case Included

Weight: 1 lb.
Current: 0.6 to 600 Amps AC
Voltage: 750 VAC and 1000 VDC
Resistance: 0 – 10 kilohms

The Pro90™ Automatic Multimeter is one the most advanced clamp multimeters on the market. Completely automatic, the Pro90™ has only one button for on/off operation. With Auto-Sensing, the Pro90™ automatically detects and displays AC, DC, or ohms without selection by the operator. The Pro90's auto-ranging means no selection of measurement ranges is needed either. The integral amperage clamp measures AC amps down to .9 amps by simply clamping to an active cable. The Pro90™ is simply the easiest multimeter to use.

Test Equipment

NEW!



Pro2TK™ 2-Wire Tool Kit / ProCase™ (Case Only)

- Hard Shell Plastic Case with Steel Hinges
- Firm Foam Insert Custom Fit for Testers and Strippers.
- Mesh Pouch for Cords and Smaller Accessories.
- Pro2TK™ Includes: Pro50™ Digital Tester and 24v Power Source, Pro95i™ Milliamp Clamp Multimeter, Pro55™ Stainless Steel Wire Strippers, Pro210F™ Tone Probe, Scrubbuz™ Silicone Sealant Gel Removing Wipes, User Guides.
- ProCase™ Includes: Hard Shell Case with foam insert only
- Replaceable Latches

The Armada Technologies Pro2TK™ 2-Wire Tool Kit consists of everything necessary to test 2-Wire Irrigation Systems, all stored in one place. The ProCase™ is a professional looking carrying case that is easy to bring with you on the job and holds all the essentials. The mesh section can hold wipes, wire nuts, cords, etc.

The case can be purchased by itself as the "ProCase™"

Wipes

NEW!



Scrubbuz™ Silicone Sealant Gel Removing Wipes

- Quickly removes silicone gunk
- Special dual-texture cloth surface
- Super size with 2X ordinary wiping area
- Stays moist longer – over an hour working time
- Safe for your hands
- Resealable pack of 20

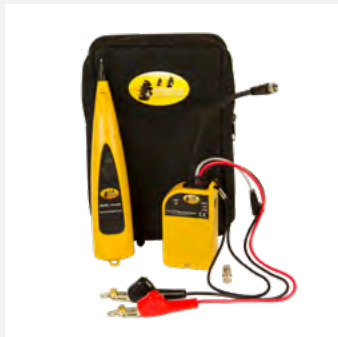
Packaging: 10-pack point of purchase box with individual resealable packs

Scrubbuz™ is designed to remove some of the toughest messes. It's combination of dual sides gives it more cleaning power than the average wipes. One side provides optimal scrubbing power with teeth to grab onto any rough stains. The other side finishes your clean with a smooth and soft polish. Greasy messes stand no chance against Scrubbuz™ extra tough cleaning formulation.



Tone and Probe

Pro220A™ Advanced CATV Tone and Filter Probe Kit



The Pro210F™ AC Filtered Tone Probe includes:

- AA Battery Power (4) for 250+ Hours of Operation
- Bright Automatic LED Headlight/Flashlight
- Single-button control with a comfortable, tactile feel
- AC Noise Filter Reduction design allows use in high interference areas
- Headset Jack

The Pro110A™ CATV Tone Generator includes:

- LED Transmit On Light.
- Short circuit test with visible and audible indicators
- Male or Female Coax F, RJ11 or Alligator Clip Connection
- AA Battery Power (4) for 250+ hours of operation.
- Self-piercing Telco Clips

Weight:

1 lb.

Output Frequency:

1 kHz

Probe Modes:

Broadband or AC Reduction

The Pro220A™ Advanced AC Filtered Tone and Probe Kit is designed to help contractors easily identify the termination point of any wire. The Pro220A™ is uniquely designed to bring advanced AC filtering combined with F connectorization and AA battery power specifically for CATV users. The Pro220A™ still maintains the Telco features that you have come to expect, but these added features make the Pro220A™ unique in the CATV world.

Pro220K™ Advanced Tone and Filter Probe Kit



- AC Noise Reduction Filter Probe
- LED Probe Headlight
- AA Battery Power
- Volume Control
- Headset Jack
- Continuity Test

Weight:

Less than 1 lb.

Output Frequency:

1 kHz Analog

Probe Modes:

Broadband or AC Reduction

The Pro220K™ Advanced Tone and Filter Probe kit is designed to identify the termination point of a wire or cable. The Pro110™ Tone Generator transmits a 1 kHz analog tracing tone, while the Pro210F™ probe uses either broadband or AC reduction modes to identify the desired cable at the opposite end. Upgraded features include headset jack for noisy areas, LED headlight for poorly lit environments, AA batteries for extra long life of over 250+ hours of use. Other features include low battery light, continuity check, and volume control.

Hand Tools

Pro55™ Stainless Steel Wire Strippers



- Stainless Steel Construction for durability
- Handles popular wire gauges 10-22 AWG (2.8-0.8 mm)
- Cushioned Grips
- Precision stripping blades help avoid nicking copper wire
- Trims 8-32 and 6-32 steel bolts

- Bending holes provided for wire-forming
- Plier jaws with a crimping jaw for electrical splices

Weight:

Less than 1 lb.

Packaging:

4-color Half Clamshell

The Pro55 Armada Stainless wire strippers provide clean cuts through tough wires making your job smooth and easy. Water is no problem for the stainless composition of the Pro55. The stainless-steel feature gives the strippers long life and resistance against wear and tear in any field of work. The easy to grip handles provide for swift and quick movement while giving your hands some comfort. Precision holes allow for the perfect strip on each wire. The 180 degree locking mechanism ensures no accidental locking of the strippers while in use.

OUR PROMISE TO YOU

Armada Technologies is a family business; privately held, privately run. Because of that, our good name is on the line with every product we ship. We will never be perfect in everything we do, but we promise to try, and we promise the following:

- ☐ We will strive to provide technical support that includes experts available by direct telephone line or email who can answer questions quickly, and offer training videos to whomever wishes to use them.
- ☐ Twelve month warranty from the date of purchase.
- ☐ We will service our products promptly. We guarantee 3-day in-house repairs or it's free.
- ☐ We will offer the best prices on comparable products.