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Wire and Valve Locators

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







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
- Two Listening Options: External Speaker or Stereo Headset
- Null or Peak Reception Modes
- · Backlit Digital Display
- Sealed Membrane Switch Technology
- Transmitter input extended voltage range of 12-20V
- Receiver Input Voltage Max 12V
- Includes Transmitter, Receiver, Inductive Clamp, Stereo Headset, Ground Stake, Leads, Transformer

External Power **Input Options**

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 Transmitter: External AC or Eight (8) 'D' Cells Power Source:

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.

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

Tracking Range Depth: Up to 8 feet

5,000 feet with direct connection Distance:

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 broad-

cast 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.



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

Transmitter 5 lbs. / Wand 3 lbs. 900V P-P / 6 variable settings Weight: Power Output: 8 "D" Cell for Transmitter Batteries: 1 9v NFDA 1604 for Wand

Transmitter Frequency: 2 kHz and 175 kHz in Broadcast Mode.

110 VAC / 200 VDC Voltage Protection:

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.



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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.

Transmitter 3 lbs. / Wand 1 lb. Power Output: 350v P-P Output Frequency: 2 kHz 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 residenrile Pro700™, but uses a smaller power output t o 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.



Pro66™ Plastic Pipe Tracking Aid

- For conduit or pipe runs up to 98 feet
- The thin 3 mm diameter fiberglass tracking rod stows in the disc-like outer case
- The tracker rod offers flexible, replaceable tips and pulling eyes of different diameters
- Can be used to insert pull string in a conduit
- Works best with 33 kHz or higher wire trackers
- Convenient 4 mm receptacle for the transmitter connection from the tracker
- No separate power required for the Tracking Aid

Specifications

- Approximately 100 feet in length
- 3 mm fiberglass rod
- Bend radius of 1.25 inches in pipe
- Pipe detection depth of 5 feet

The Pro66™ Tracking Aid is a device designed to allow users to track the path up to 98 feet of a non-metallic pipe or conduit buried in the ground or routed in walls. When used in conjunction with wire trackers like the Armada 33 kHz Pro290™. Pro881™, or Pro900™ it is possible to determine the route of PVC or vinyl conduit whether they are empty or have fluid in them.



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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.
- 11 Measurement Ranges up to 20,000 ft., 3,000 ft. for 2-wire cables
- 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.) Ratteries: 4 x AA cells

Ranges @ Vp=70%: 20, 45, 90, 180, 360, 750, 1500, 3000 ft. (6000, 10000, 20000 ft. for cables above 25 ohms)

Range Selection: Manual range control Resolution: Approximately 1% of range Min. 3 pixel return at 10,000 ft. Sensitivity: 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. (6 km). 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
- · Well suited to landscape wiring, dog fence installations and other limited distance cabling
- Transmitter 3 lbs. / Receiver 1 lb. Weiaht:
- Power Output: 12 volt p-p
- Output Frequency: 33 kHz
- 8 "C" Cells for Transmitter; 9 volt NEDA 1604 for Batteries:
 - 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 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



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Multi-Function Irrigation Testers cont.

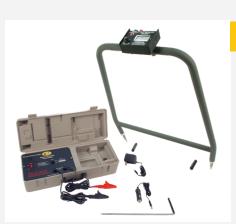


Pro48™ Multi-Function Irrigation System Tester / Pro48K™ Kit

- · 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
- 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
- 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/Lo)
- · Audible 'On' Beeper
- Battery Power Indicator
- Custom Molded Case
- Rechargeable Battery (Includes Battery and Charger)

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

5 microamps to 60 A

600 VAC or VDC

600,000 ohms

The GFL3000 Ground Fault Locator is an essential tool for pinpointing insulation faults in direct buried cabling. I ncorporating 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

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



Pro95i™ True RMS Irrigation Milliamp Clamp Multimeter

Current:

Max Voltage:

Max Resistance:

• 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

Full IEC 61010 and CE safety tested to Cat III 600V and Cat IV 300V

. Unlike other milliamp clamp meters on the market, the Pro95i ("1" for irrigation) features an automatic setting to the correct mode for irrigation

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.



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Multimeters cont.

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



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 600V Rated
- · Battery and Case Included

Weight:

0.6 to 600 Amps AC Current: Voltage: 750 VAC and 1000 VDC

0 - 10 kilohms Resistance:

The Pro90™ Automatic Multimeter is one the most advanced clamp multimeters on the market. Completely automatic,



Pro32™ Auto-Ranging Multimeter

• Measures AC and DC voltage, resistance, and current

cable. The Pro90™ is simply the easiest multimeter to use.

- · Measures capacitance and frequency
- Full IEC 61010 and CE safety tested to Cat II 600V
- Slim, Sturdy Design
- · Cordset winder keeps leads organized
- Battery Included

Weight: Less than 1 lb. with packaging

Less than 1 lb.

0-60 meanhms

Less than 1 lh

10 amps AC/DC 600 VAC / 600 VDC

Packaging: Clamshell

Box Contents: Meter with Leads, Protective Pouch, Manual

The pocket-sized Pro32™ Auto-ranging Multimeter is perfect for sprinkler troubleshooting applications. The Pro32™ has the basic functionality needed to diagnose field wiring, solenoid and clock problems. Checking wires for solenoid resistance, shorts or opens is simple, as is checking voltage to and from the clock. The included bi-lingual reference card informs users about what settings to use and what the results obtained from those settings mean.

Weiaht:

Current

Voltage:

Resistance:



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 600V
- · Bonus measurement of capacitance, frequency, duty cycle and diode function
- Uses two (2) AAA batteries (not included)
- · Non-contact voltage detection

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™.

Weight:



Pro12™ Wide-Range Non-Contact Voltage Detector

- · Check outlets and insulated cables for power voltage before handling or using them
- · Fully insulated for safety
- Full IEC 61010 and CE safety tested to Cat III 1000V
- 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)

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™



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Test Equipment



ERT100™ Earth Ground Resistance Tester

- 2-Wire Certification
- Large digital and analog display
- Two pole and three pole earth resistance test modes
- Earth resistance range 0 4,000 ohms
- Earth voltage safety check
- Earth resistance constant current inverter 800HZ approx. 3 mA
- 100 results data memory
- IEC 61010 and CE safety tested to Cat III 300V
- Carry Bag with Shoulder Strap
- Low battery voltage indication
- Backlight

The ERT100™ Earth Resistance Tester is a professional instrument for measuring the electrical equipment safety grounds. With a large LCD display and simple controls, the ERT100™ is valuable in verifying the lightning safety earth connection of new or existing control systems. The tester can store up to 100 sets of measurement data.



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, Pro95™ 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



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.



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Tone and Probe



Pro220A™ Advanced CATV Tone and Filter Probe Kit

The $Pro210F^{TM}$ 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 Naise Filter Padentian design all automatic high.
- 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 1kHz 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

Packaging:



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

Less than 1 lb. 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