

Datacomm Testing



Paladin Tools®



LANtest 24-517

Tests the correct pin configuration of 10Base-T, 10Base-2, thin ethernet cable, RJ45/RJ11 modular cables 356A, EIA/TIA-568-A/568B and token ring cables, etc. Easy to verify cable continuity, opens, shorts and reversed pairs. Can remotely test cable up to 1000 ft away either on wall plate or patch panel with remote kit. Ground testing ability. Auto or manual scan with pin-out LED indicators. Power switch for battery power conservation. Includes: (1) master box, (1) remote box, (2) BNC adapter cable - 15 cm, (1) BNC M/M adapter, (1) RJ45 modular cable - 6" and deluxe carrying bag.



Multi-Network Pro Cable Tester 24-518

Advanced design simplifies the cable to be plugged and tested. It can test both 10Base-T and 10Base-2 cables within seconds. Just plug both ends of the cable and it automatically runs all tests. The green and red LEDs in the master unit will show you the test results of continuity, open pairs, shorted pairs, crossed pairs or reversed pairs problems. With the remote unit, you can remotely test installed cables either on wall plates or patch panels. Allows loop back test or remote test. Ground wire testing ability.



LAN Testers and Kits

24-520

Pocket tester for UTP, STP and Coax. RJ45 - 10Base-T, TSB, 568A/B, token ring, ATM. RJ11 - USOC wiring. BNC - RG58/59/62.



24-LANKIT

Network installer test and termination kit which contains (1) 24-4680P, (1) 24-418P, (1) 24-7742P, and (50) 32-1988UL/32-1956UL and fabric zipper case.



24-LANTEST

Network installer tests RJ11, RJ45, BNC and USB. Remote unit for long distance testing. Test for parallel or crossed wires and shorts or opens. Auto test feature. Auto shutoff. Includes attractive fabric case.



Network/PC Cable Tester

- 204 DC battery compartment and AC power adapter
- 206 Reverse test



These stand-alone test devices are designed to test popular PC data cables, printer, monitor, modem, mouse extension, game, BNC coax, RJ45, 1394 and USB cables by identifying the wire connection status: open, short, cross, miswire, and continuity of wires and pin configuration. Quick and easy to use. LED display for easy identification. Auto and manual modes. Includes battery (Model 206 only) and manual. One year warranty.

BK PRECISION

Universal Cable Tester 205

This Universal Cable/Harness Tester tests up to 128 points in a fraction of a second. Compact, stand-alone unit for any type of wired assembly. Opens, shorts and miswires are detected immediately. The universal adapter card offers outstanding flexibility and convenience, ready to accept any of the industry's 22 most popular connector styles. Easy-to-read LCD instantly indicates good or faulty connections and the included single wire test probe pin-points the trouble spot. Stores up to 50 test programs. Printer interface for wire listing. Includes manual, AC/DC adapter and one adapter card. Three year warranty.



Multi-Network Cable Tester 230

Tests thin Ethernet (BNC), 10BaseT (UTP/STP), 100BaseTx, RJ45, TIA-568A, TIA-568B and Token Ring cables within seconds. Detects miswiring, polarization, and continuity. Also tests the ground of shielded twisted pair cables. With the remote unit, you can remotely test installed cable either from the wall plate or patch panel. LED display for clear indication of problems. Includes the master unit, remote terminator and carrying case. One year warranty.



Deluxe Multi-Network Cable Tester 231

Easily read the correct pin configuration of 10BaseT cable (category 5), 100BaseTx, 10Base2 cable (coax) and RJ45/RJ11 modular cables, 356A, TIA-568A, TIA-568B and Token Ring cables by comparing one transmitting end to the corresponding receiving end. With the remote kit, it can test cables installed far away, either on wall plate or patch panel, up to 1000 ft away. Verify cable continuity, open, short and cross connect, featuring auto or manual scan for pin-out indicators. Tests Point-to-Point, rather than Pair-to-Pair. Easy to read LED display. Includes master unit, remote terminator, 3 patch cables, BNC to BNC adapter and carrying case. One year warranty.

Remote Network Cable Tester 235

Tests all the wiring faults of 10Base2 (Coax), 10BaseTx, 100BaseTx, RJ45, 356A, TIA-568A, TIA-568B and Token Ring cables. Identifies wiring faults, such as open pairs, shorted pairs, reversed pairs, crossed pairs, split pairs and up to 4 different cables at one end. Large flashing LED displays the fault code, and the 4 pairs of individual LEDs tells you which pairs are tested. Remote identifiers to test remotely. "TEST" switch will prompt unit to automatically run all tests within a few seconds and show you what faults are present. Test cable length: Minimum-4ft (1.2m) Maximum-492ft (150m).



BK PRECISION

Remote Network Cable Analyzer 240

Small handheld tester which enables the user to quickly read the status of Ethernet twisted pair cables for open circuits, shorts, crossed pairs, reversed pairs and split pairs. Tone generator feature can be used to trace installed cables and locate areas of discontinuity. Includes one master unit and one remote terminator and can be operated easily by one person testing patch cords or installed cables. Shield integrity testing. Cross talk detection in excess of 3dB+0.3dB at 3.5MHz between any two pairs. This small, remote unit slides into master unit for convenient and safe storage. Automatic sleep mode and power switch to decrease power consumption. Low battery LED. Includes one patch cable and carrying case. One year warranty.



PathFinder™ Tester

- 62-078 8P8C 5 in. cable assemblies (4/card)
- 62-080 PathFinder™ Tester (main test unit)
- 62-081 PathFinder™ Tester Remote A
- 62-082 PathFinder™ Tester Remote B
- 62-083 PathFinder™ Tester Remote C
- 62-084 PathFinder™ Tester Remote D
- 62-085 PathFinder™ Tester with Remotes A,B,C and D (blister card)
- 62-086 PathFinder™ Tester with Remote A only (blister card)
- 33-815 PathFinder™ Tester with 4 Remotes in soft zipper case



Designed for professional installers and maintenance technicians for mapping, testing and troubleshooting installed data communications, phone wiring and coaxial cable runs in new construction and existing facilities. Tests all common wiring configurations including T568A/B, 10Base-T, TP-PMD, token ring and USOC. Unique "learn" mode enables tester to learn, verify and test modified configurations. Each remote unit has a unique electronic "address", allowing the mapping of individual circuits and routing to each cable endpoint. LED display provides indication of cable, connection status and wiring faults including reversals, opens, shorts, miswires and split pair conditions. Coaxial cable port identifies cable conditions including shorts, shield opens and center conductor breaks. Built-in tone generator provides individual conductor identification and tracing. Nine volt battery included.

MiniTracker™ Tester 62-202

Test for continuity, opens or shorts in multiple or single runs or coax. Consists of main unit and four remote color-coded F-type terminators. Each terminator has a unique resistor value. A main unit and at least one remote terminator are required to perform coaxial cable testing. Identifies, or "maps", different cable end points and cable runs within a structure. Tone mode can be used to send a tone signal on coaxial cable for tracing. Designed specifically for cable TV, security video, broadcast and building/home automation system applications.



Craft TestSets

Used by installers, repair technicians and other telecommunications personnel for the installation and testing of telephone services. Fiberglass-reinforced ABS to withstand rugged use. Moisture-resistant case. Complies with the UL Standard for Safety for Test Equipment. Testsets provide DTMF (tone) and rotary (pulse) dialing. Electronic ringer indicates incoming calls. Line polarity indication. Line monitor feature. Register recall/hook flash. Mute feature for noisy locations. Last number redial-23 digits. Modular cord connection. Models 630 and 620 are the only analog sets that employ built-in filters (no awkward PODS on the test leads to complicate your work), making them safe, easy and effective for voice testing among DLS circuits.



- 62-400 Model 4
- 62-405 Model 4SP - Amplified speaker to monitor line activity. Two different levels of user-selectable amplification.
- 62-410 Model 610 - Battery-powered amplified speaker for both Talk and Monitor modes. Three pre-programmed, one-touch numbers. Ten additional memory locations, two-touch numbers
- 62-415 Model 630 - Integral filter to prevent damage to digital data transmitted on DSL circuits. Audible and visible alarm for locating and identifying DSL circuits. Hands-free operation with duplex speakerphone. Battery-powered amplified speaker for both Talk and Monitor modes. Three pre-programmed, one-touch number. Ten additional memory locations, two-touch numbers.
- 62-411 Model 620 - Integral filter to prevent damage to digital data transmitted on DSL circuits. Hands-free operation with duplex speakerphone. Battery-powered amplified speaker for both Talk and Monitor modes. Three pre-programmed, one-touch numbers. Ten additional memory locations, two touch numbers.
- 62-425 Leads with bed of nails
- 62-427 Leads without bed of nails
- 62-431 Mod to mod cable set
- 62-433 346 cord

Tele4™ Modular Adapter 62-094

Reverse-wired adapter for easy testing of phone circuits without service interruption. Easy-to-read label clearly defines pin number and wall direction identification. Large perforated test pads allow secure attachment of test probes and alligator clips. Can be used as an in-line splicing device to join two modular cable assemblies. Sturdy, stainless steel belt clip.



ABS™ Tester 62-180

Economical solution for the most frequent applications involved in analog voice system installation and maintenance. This "Almost a Butt Set" tester allows for identification of dial tone problems, polarity certification, presence of power and tone tracing. Speaker verified dial tone quality. Ring indicator tests lines for correct number. Polarity indicator tests for correct wiring and power. Tone Trace feature finds tracing tone signal. Volume control switch. RJ11 jack for access to wall outlets. Two replacement line cords.



Datacomm Testing



Video Tracker™ Coax Tester

- 62-020 Video Tracker™ Coax Tester with terminators
- 62-079 Carrying case only
- 33-816 Video Tracker™ Coax Tester and terminators in #62-079 carrying case
- 33-817 Installation Test Kit with Video Tracker™ Coax Tester and misc. tools in ZipKit™
- 35-419 ZipKit™ case only



Consists of a main unit and eight remote color-coded F-type terminators. Main unit and at least one remote terminator perform coaxial cable testing. No remote terminators are required to send tone signal on coax in the Tone mode. Provides testing for continuity, opens or shorts. Identifies, or "maps", different termination points and cable runs within a structure. Tone mode sends a tone signal. Single-Run mode tests and identifies individual cables within a group. Multi-Run mode tests coax cables joined with a splitter. Designed specifically for cable TV, security video, broadcast and building/home automation system applications. Nine volt alkaline battery included.

Data8™ Modular Adapter

62-098

Adapter with straight through wiring tests T568A, T568B, 10Base-T, Token Ring and TP-PMD systems. Use with tone generators, built-in test sets and other devices to provide access to data lines without service interruption. Features EIA/TIA Category 5 jacks and a unique internal circuit design to reduce attenuation, coupling and NEXT. May be placed as a coupler in a Category 5 link without exceeding acceptable NEXT values for link certification. Easy-to-read label identifies individual conductors and pins defined with number, color and polarity identifications.



Wiring Verifier-Patch Cable Tester

- 62-050 Wiring verifier
- 62-055 Wiring verifier pouch



Tests continuity and wiring schemes for paired cables terminated with modular plugs. Verifies conductor continuity for coaxial cables. Tests opens, shorts, miswires, reversals, and crossed pairs in modular plug cable assemblies. Special wiring configurations are accommodated by the Wiring Verifier's unique Learn mode. Solid state circuitry, with memory chip, allows testing of cable assemblies without prior identification of wiring schemes. Test results are indicated by visual display and optional audible tone output. Nylon pouch for handy storage has funnel belt loop to fit belts up to 2^{3/4}" wide. "D" ring attaches to a tool pouch clip.

Smart6™ Modular Tester

62-096

Reverse-wired adapter designed for voice circuit testing. LED indicators display polarity, jack addresses and incoming call identification. Test button enables testing of pair one or two for power. Easy-to-read information label identifies individual conductors and pins defined with number, color and polarity identifications. Sturdy stainless steel belt clip.



LinkMaster™ Tester

62-200

Tests wiring configuration on UTP/STP cables. Checks for shorts, miswires, reversals and split pairs. Debug, automatic shutoff feature and low battery LED indication. Designed to test installed twisted pair wiring. Tests unshielded and shielded modular plugs. Main unit and remote allow one person testing.



Coax Tester

62-204

Tests opens and shorts on coax connected with BNC jacks. Includes 500 Ohm BNC terminator. LED low battery indicator. Two modes of operation: Standard and Hi-Z for long runs. Quick and easy operation.



Wire Hunter Kit

62-120

Locates hidden wires behind walls, ceilings or up to 3 ft. underground, including wire point termination locations. Works on de-energized and energized circuits to 120 VAC. Operating range extends to 1000 ft. Low power consumption. Silent RF tone minimizes interference with other circuits. Lightweight and compact. Durable carrying case. One year warranty.



PathFinder™ Tester Kit

33-812

Kit contains:

- (1) 62-080 PathFinder™ Tester
- (1) 62-081 PathFinder™ Tester Remote A
- (1) 62-082 PathFinder™ Tester Remote B
- (1) 62-083 PathFinder™ Tester Remote C
- (1) 62-084 PathFinder™ Tester Remote D
- (4) 62-078 4 inch cable assemblies
- (1) LA-3000 BNC terminator (500 ohm)



33-814

Kit contains same as #33-812, plus:

- (1) 62-104 Amplifier Probe
- (1) LA-2783 Flat Tip
- (1) 62-050 Wiring Verifier
- (1) 62-096 Smart6™ Modular Tester
- (1) 62-098 Data8™ Modular Adapter

Wire Sorter

61-530

Easily sorts up to six single or six pair of unpowered wires with or without a known ground path. Quickly identifies unmarked wiring. Locates proper wiring in bundled groups. Works on non-energized circuits. Includes TL-65 lead set. One year warranty.





Cable Fault Finder 62-142

Locates high-resistance, earth-ground cable faults for street lighting, CATV drops, power secondaries and irrigation feed applications. Includes 12V battery powered pulse generator, 9V battery powered receiver, receiver frame and durable carrying case. Portable, one-man operated system. Self-centering meter indicates direction of fault location. Quick set-up for remote locations. One year warranty.



Underground Cable Locator 62-135

Long-range (to 4000 ft.) tracking of underground (to depths of 7 ft.) circuits or pipelines. Includes transmitter, coupler, antenna and receiver. Use transmitter alone or in combination with inductive coupler or inductive antenna for creation of 447.5kHz signal modulated as a 1000Hz tone detectable by hand-held receiving unit. Receiver features on-off sensitivity control, signal strength meter and speaker for audible signal indication - jack provided for optional headset use. Silent RF tone minimizes interference with other circuits. Durable carrying case. One year warranty.



ShortStop™ Cable Fault Finder JTE1001

At the push of a button on this hand-held device, you can measure the length of a cable, find opens and shorts, and inject tones to trace and identify cables and wire pairs. With the unique multi-tone injection PowerTone feature, you can get absolute positive identification of the far end of the wire pair. Checks all common cable pairs including coax, 2 wire shielded, twisted multi-pair and AC wire pairs. Measures the distance to a short or an open. Measures cable length from one end on spools, in the wall and/or on the ground. Audible indication of shorted cable and high AC voltage. Measures cable length with proprietary Time Domain Reflectometry (TDR) technology. Single On/Off operation. 2500 foot range. Accurate to $\pm 3\%$ when set for correct cable. Input protected to 250 VAC. All internal components are protected against damage from moisture. No adjustments necessary for standard measurements. Fifty hour battery life. Intelligent auto-off. Complete with belt-clip case. Multiple adapters available.



OneStop™ Cable Length Meter JTE7001

Measures single conductor cable on the spool or already installed. Measures copper and aluminum cables. Automatic temperature compensation. Milliohm measurement capability. Easy to use Kelvin Clips to connect to the cable.



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Coax-Check® 1560

Local continuity tester for 50 and 75 ohm coaxial cables including RG58, RG59 and RG62AU. Tests local patch cables. Tests 50 ohm cables up to 1000ft (305 meters) and 75 ohm cables up to 600 ft (183 meters). Identifies open conductor, open shield/braid and shorted connections with simple Pass/Fail indicator. Tests BNC-type, TNC-type, N- and C-type, and "F" connectors using BNC adapters. BNC socket connection. Nine volt battery included.



Coax-Check® Remote 1565

Remote continuity tester for 50 and 75 ohm coaxial cables including RG58, RG59 and RG62AU. Tests remote cables installed through walls. Tests 50 ohm cables up to 1000ft (305 meters) and 75 ohm cables up to 600 ft (183 meters). Tests N-type, TNC-type, C-type and "F" connectors using BNC adapters. Identifies open conductor, open shield/braid and shorted connection with simple Pass/Fail indicator. Includes 75 ohm BNC adapter and F/F BNC adapter. BNC socket connection. Nine volt battery included.



Patch-Check® 1529

Local continuity tester for telephone and data cables with RJ11 and RJ45 modular plugs. Test local patch cables. Tests cables up to 1000 ft (305 meters). Identifies open, crossed and shorted connections. Tests RJ11 DEC-MMJ connectors using adapter couplings. Identifies connector and cable pin-out using true cable mapping, not pairing. Push-button operation. Unshielded RJ45 modular-plug socket connection. Nine volt battery included.



Patch-Check® Plus 1531

Remote tester (transmitter and receiver) for telephone and data cables with RJ11 and RJ45 modular plugs. Tests remote cables installed through walls or bulkheads. Tests cables up to 1200ft (365 meters). Identifies connector and cable pin-out using true cable mapping, not pairing. Identifies open, crossed and shorted connections with audible signal. Includes RJ11, RJ11 DEC-MMJ and RJ45 patch cords (two each). Tests RJ11 DEC-MMJ connectors using adapter couplings. Push-button operation. Unshielded RJ45 modular-plug socket connection. Two nine volt batteries included.



Modular Plug Adapters

- 1902 8-way RJ45 modular plug adapter
- 1903 6-way RJ11 modular plug adapter
- 1904 4-way RJ22 modular plug adapter



Use these adapters to connect butt sets, telephone test sets, tone generators and network test equipment to data and telephone lines using modular plug connections to perform testing of the signals and data being carried. Nylon-reinforced ABS plastic. Easy-to-read wire layout label. Removable/replaceable cord. In-line adapters. Snagless plugs and belt clip. One year warranty. Copper contacts are notched to keep alligator clips attached during testing.

Datacomm Testing

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PC Cable-Check® 1570

Local tester D-subminiature, coaxial and RJ11/RJ45 telephone cables. Tests continuity of male and female 9-pin, 15-pin, 15-pin high density and 25-pin D-subminiature cables. Tests continuity of 36-pin Centronics printer cables, RJ11, RJ12 and RJ45 phone cables. Tests D-sub and phone cables up to 1000 ft (305 meters). Tests 50 ohm cables up to 1000 ft (305 meters) and 75 ohm cables up to 600ft (183 meters). Nine volt battery included.



LAN ProNavigator™ Network Data and Coaxial Cable Tester

1543 LAN ProNavigator test set (main & remote), 2 RJ45 patch cords, 2 belt clips
1544 LAN ProNavigator replacement remote unit with belt clip
901066 LAN ProNavigator test set (main & remote), 2 RJ45 patch cords, 2 BNC coaxial cables, 2 CATV "F"-to-BNC adapters, 1 BNC/BNC adapter, 1 shielded RJ45 coupler, 2 belt clips in durable case



Two-piece tester includes main unit and remote with results at both ends. One button, simple testing (PASS/FAIL or fault find). Traces wires with tone & remote lights. Quick fault analysis on coax & data cables. CAT-5 or CAT-6 (UTP/STP) cable testing. Detects opens, shorts, crossed wires & split pairs. Compact & lightweight. Comfortable to hold. Designed & manufactured in the USA. Test status at both ends (main unit & remote).

TRIPLETT

WireMaster BNC LAN Cable Tester 3252

Compact, hand-held instrument designed to quickly verify the continuity of un-energized coaxial patch cables terminated with BNC connectors. Checks for open conductor, open shield or shorts. Four LEDs indicate test results. One year warranty.



WireMaster RJ-45 LAN Cable Tester 3251

Compact, hand-held instrument designed to quickly verify the wiring or un-energized, 8 conductor patch cables terminated with RJ-45 connectors. The 8 LEDs flash in sequence if the cable is wired correctly. Identifies the destination for each conductor in cable. Checks for continuity in straight-through wiring. One year warranty.



The Hound 3390

Portable, hand-held, inductive tracer that will aid in identification of wires without piercing their insulation. It can trace the Fox's tone through dry wall, wood and many other non-metal surfaces up to 12 inches away. Self-contained hi-gain, hi-impedance amplifier and a rugged, moisture resistant, mylar cone speaker. Convenient operation from a standard 9V battery (not included). One year warranty.



TRIPLETT

WireMaster XR-2 LAN Cable Test Set with Tracer Tone 3254

Verifies the continuity of 2, 3 or 4 pair UTP cables. Senses reversed, shorted, transposed, crossed and open pairs. Generates tracer tones for locating un-energized LAN cables with an inductive tracer. The single selector switch sets the Transmitter to RJ45 or RJ11. The 8 LEDs on the transmitter unit act as a reference, or source, while the 8 LEDs on the receiver unit display the actual destination of each conductor within the cable. The transmitter can also be user configured via jumper blocks within the unit. Jumper settings control various options including the tracer tone and the direction and speed of the LEDs. The user can also switch between 4 and 6 conductor RJ11 cable types. Forward or reverse sequencing on transmitter. High or low pitch tracer tone. Fast or slow LED sequencing. The included handy carrying case keeps both units together and protected. Verifies point-to-point wiring of twisted pair LAN cables, telephone cables and other types of cables that use RJ-45 or RJ-11 connectors. Checks for continuity in straight-through or reverse wiring. Direct connection of 8-pin RJ45 or 6-pin RJ11 cables. Generates two distinct tones usable for cable tracing. New "Local mode" allows for testing of patch cables. Allows remote testing of cable runs up to 1000 ft. Telco protected. Long battery life. One year warranty.



The Fox 3380

Lightweight, compact, battery powered instrument designed to perform a variety of tests on telephone lines. Alligator clips and a modular plug allow the Fox to be quickly connected to stripped wires, a terminal panel, or a standard modular jack (single line). Two selector switches set the function of the Fox, while an LED acts as a visual indicator for continuity. Generates three distinct tones usable for wire tracing. Line powered in Tone mode. Supplies "Talk Power" to allow communicating between handsets (talksets) or powering a telephone. Convenient operation from a standard 9V battery. One year warranty.



PairMaster

Verifies and tests basic LAN cabling installations. Able to identify one of up to 16 cable pairs with the simple press of a button. Also checks for 8 faults including Near End Crosstalk (NEXT) for double split pairs. Features include: EIA/TIA 568 configuration for UTP Ethernet and Token Ring LAN cables. Tests Category 5 cables. Tests 1/2, 3/6, 4/5, 7/8 cable pairs. Two seven-segment LEDs display fault codes and remote ID numbers. Overvoltage indication on PairMaster and remote identifiers. Low battery indication. Auto power off at end of test. Four pass LEDs (green), four fail LEDs (red). Two year warranty on PairMaster and one year warranty on remote identifiers.



3240 PairMaster LAN cable test set

Includes: (2) remote identifiers, #1 and #2, (1) RJ-45 patch cable (Category 5), (2) RJ-45 in-line couplers, (1) nine volt battery and instruction manual.

3241 PairMaster complete LAN cable testing kit

Includes: (1) PairMaster LAN cable test set, (16) remote identifiers, #1 thru #16, (1) RJ45 patch cable (Category 5), (2) RJ45 in-line couplers, (1) nine volt battery, (1) hard-sided carrying case with strap and instruction manual.

LAN Cable Modular Adapter Box 3242

Compact, hand-held instrument that can couple between different formats of LAN wiring. Tip/Ring of Pair 1 on any jack are directly connected to Tip/Ring of Pair 1 on all other jacks. Pairs 2 through Pairs 4 are connected similarly. Allows coupling between any 2 of 8 popular LAN wiring formats. No battery required. One year warranty.

