



TestPro CV100 Multifunction Cable Tester

Test More. Test Faster. Test for Less.

Purpose-Built for System Integrators

The changing landscape of enterprise cabling demands more from the test equipment you rely on.

“TestPro’s ability to certify the cable with a fast autotest combined with PoE validation and link speed qualification testing helps our technicians to get more done with a single test system and at a fraction of the price of the test equipment we used to use. Additionally, the ability to validate PoE and qualify link speed has allowed us to expand our service offering.”

Sean Ricketts,
President Trinity Cabling Company



Smart Building Infrastructure

Remember when you'd pull 4 Cat 5 drops to each workstation area and be done?

Those days are long past. Today's smart buildings include not only Category 6A and fiber infrastructure, but many types of smart and wireless devices, including video cameras, HVAC controls, IoT devices, door sensors, broadband networks, digital lighting, Wi-Fi, small cell, and whole host of different mobile devices.

The Smart Building market size is expected to grow from USD 60.7 billion in 2019 to USD 105.8 billion by 2024, at a Compound Annual Growth Rate (CAGR) of 11.7% during the forecast period. The major drivers for the Smart building include Rising adoption of IoT-enabled building management system, raising awareness of space utilization increased industry standards and regulations.

* Source: Smart Building Market by Component (Solution, Services), Solution (Security and Emergency Management, Energy Management), Services, Building Type (Commercial, Industrial), Region (North America, Europe, APAC, MEA, Latin America) - Global Forecast to 2024", published by MarketsandMarkets.

In this complex environment a System Integrator's needs extend far beyond cable testing. Your tools must deliver more capability for less dollars. Some key features include:

- **Copper Certification from Category 3 – 8**
- **Fiber Optic Certification of Multimode & Singlemode**
- **Fiber Inspection & Troubleshooting**
- **PSE Configuration & PoE Load Testing**
- **Bandwidth Verification to 10 Gbps**
- **Network Traffic Generation, Discovery & Connection Validation**
- **Wi-Fi Discovery and Testing**



TestPro Capabilities

TestPro is a flexible, upgradable platform. Only pay for what you need now, then add software and/or modules as conditions dictate.



All product kits come with two full function platforms, each with their own certificate of calibration.



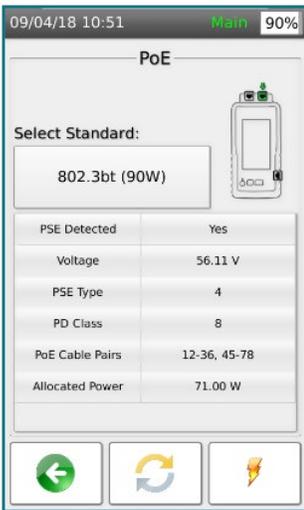
Two platforms mean complete test results are displayed on both Main and Remote and Autotest can be initiated from either end.



In cases where you are performing tests into a switch such as PoE, Multi-Gigabit, BASE-T and Wireless Network testing, each platform can be independently deployed giving you double the test equipment to get the job done.



Power Over Ethernet (PoE) Validation



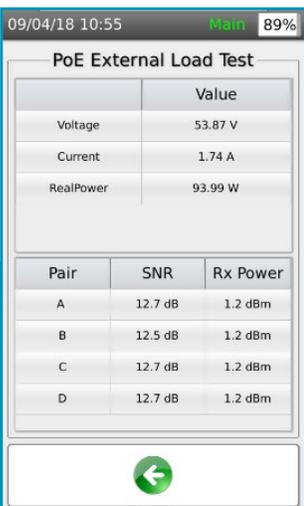
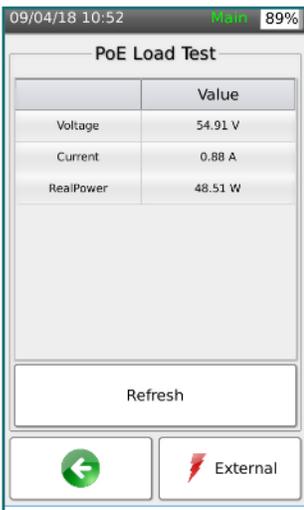
TestPro excels at validating PoE with the most comprehensive test functionality available and in compliance with TIA 1152A and IEEE 802.3 af/at/bt standards. What sets TestPro apart is the ability to validate Real Power load at the jack where and end device will be deployed. TestPro emulates a Powered Device (PD), such as a WAP or Camera by setting it to the specific standard applicable to that device. TestPro negotiates with the Power Source Equipment (PSE) to request information about the switch and the highest level of power load from the PSE for the selected standard.

For those pesky intermittent power issues, TestPro allows for sustained loading of the PSE over longer periods, through external loads. This allows you to monitor live for any power fluctuation that drops below the required level threshold.

TestPro can also characterize the cabling links for DC resistance unbalance parameters either as part of a standard cable certification Autotest or as a one-off quick test.

TestPro's Power over Ethernet testing capabilities:

- Load Testing for Real Power at Jack
- Current and Voltage
- PSE Detection
- PSE Type
- PD Class
- PoE Cable Pairs
- Sustained Power Load Monitoring
- DC Resistance Unbalance



"The depth of functionality in the TestPro and value it presents is incredible! It's like having a Fluke Networks certifier, and a network tester, combined into one product at half the cost of either one."

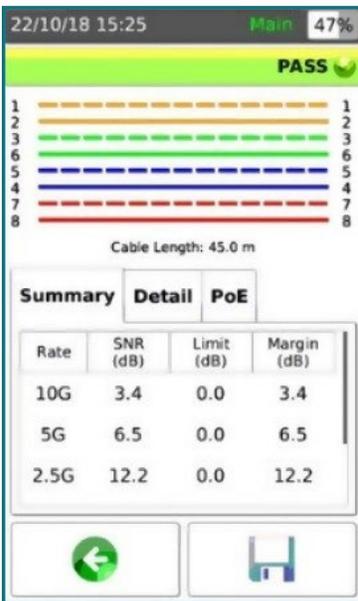
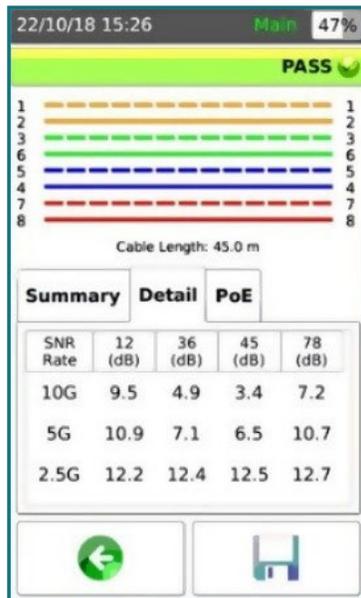
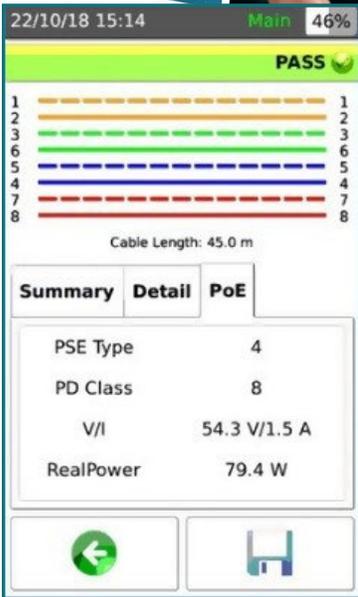
Mark Johnston, CEO Telementrix

PoE load testing is available in the TestPro CV100-K30, K60, K61 Kits.

This Adapter is also sold separately: Model AD-NET-CABLE.



Multi-Gigabit Link Speed Qualification



TestPro's multi-gig SNR test capability combined with traffic generation feature can provide a quick and meaningful judgement of alien crosstalk effects on a link. Compared to extremely time-consuming and yet often inconclusive traditional alien crosstalk testing, TestPro tests the live network link in a live environment to give a meaningful and actionable picture of the impact of alien crosstalk on the data transmission.

TestPro's Multi-Gigabit Autotest is a quick and easy one button operation to ensure that a cabling link will support the desired network rate.

- **Validation test**
 - 10/100 Mbps
 - 1 Gbps
- **PoE Load Test**
- **QoS test**
 - SNR 2.5 Gigabit
 - SNR 5 Gigabit
 - SNR 10 Gigabit

Improvements in 10Gigabit technology, price, and performance have extended its reach beyond enterprise data centers to midmarket networks. Increasing bandwidth requirements and the growth of enterprise applications are also driving broader deployments of 10 Gigabit Ethernet. TestPro's 10Gigabit testing provides a true indication through Pass/Fail indication as well as visibility into available headroom even down to per pair detail.

Multi-Gigabit qualification testing is available in the TestPro CV100 K30, K60, K61 Kits. This Adapter is also sold separately: Model AD-NET-CABLE.

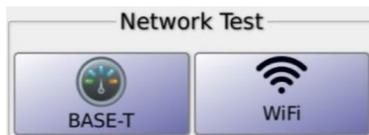


www.aem-test.com
customercare@aem-test.com



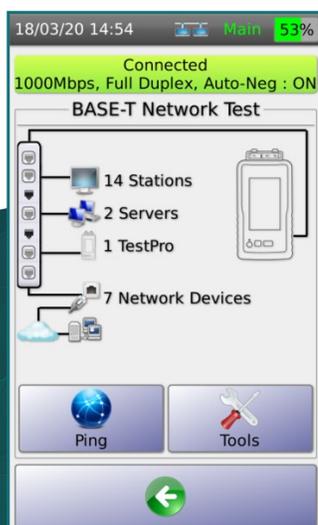
In this complex environment a System Integrator's needs extend far beyond cable testing. Your tools must deliver more capability for less dollars. Some key features TestPro delivers include:

- Network Discovery
- Traffic Generator
- Traceroute
- Ping
- WiFi SSID Discovery & Associated RSSI (Signal Strength)



BASE-T Wired Ethernet Connection Details

- Perform Network Discovery to see what's behind the jack
- Display list of IP addresses for connected devices
- Select any IP address to view that device details, MAC address, and more
- View LAN details such as Gateway, Subnet Mask, DHCP Server
- Generate traffic to any desired IP address
- Perform Trace Route to see the connection path and intermediate hop delays for bottlenecks
- Use Ping to verify point-to-point or Internet connectivity and response time



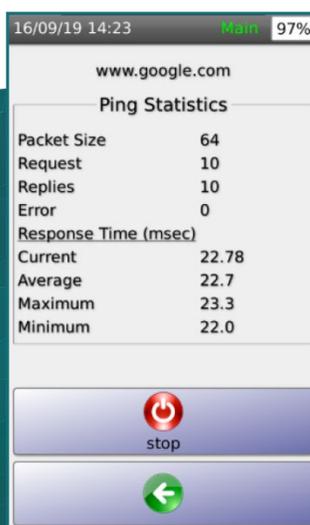
Wired and Wireless Network Testing

Wi-Fi Ethernet Connection

TestPro's auto-discovery will display all detected SSID's and their associated RSSI (received power level). This is useful in determining if the Wi-Fi network to which the user is trying to connect has sufficient signal strength.



- Determine Wi-Fi "dead zones" by roaming to checking RSSI values in different locations
- Connect to any SSID using the appropriate credentials for that network
- Use Ping to verify point-to-point connectivity or out to the Internet by selecting pre-defined or custom website URLs and see latency details



TestPro Product Kits

Model Number	Description	Additional Kit Components
TESTPRO CV100-K30	PoE and Multi-Gig Validator Kit	<ul style="list-style-type: none"> AD-NET-CABLE Adapters for PoE/Multi-Gigabit Allows cable certification with view only test results
TESTPRO CV100-K11	Fiber Certification Kit	<ul style="list-style-type: none"> Set of AD-SM-01 Adapters for Singlemode testing with FC/LC changeable connectors Set of AD-MM-01 Adapters for Multimode testing with FC/LC changeable connectors Two Sticklers 1.25 CleanClicker for LC/MU connectors Certificate of calibration for fiber adapters
TESTPRO CV100-K50	Copper Certification Kit	<ul style="list-style-type: none"> Set of AD-CAT6A-CH Adapters for testing of the Channel link Set of AD-CAT6A-PL Adapters for testing of the Permanent Link OP-CAT6A Software License
TESTPRO CV100-K51	Copper/Fiber Certification Kit	<ul style="list-style-type: none"> Additional kit components listed in K50 and K11 kits
TESTPRO CV100-K60	Smart Building Test Kit Copper	<ul style="list-style-type: none"> Additional kit components listed in K30 and K50 kits
TESTPRO CV100-K61	Smart Building Test Kit Copper/Fiber	<ul style="list-style-type: none"> Additional kit components listed in K60 and K11 kits

All kits come with:

- Two TestPro Platforms
- Certificate of Calibration for each TestPro
- USB Flash Drive with TestDataPro PC software
- Carrying Case/s
- Two Wiring Rack Hanging Straps
- Quick Start Guide
- USB Cable
- Two Power Adapters with Region-Specific Pins



**TestPro CV100-61
Smart Building Test Kit**



Extended Care Coverage

Available in 1 and 3-Year Plans

Extended care covers calibration service, test platform replacement or repair if damaged outside standard warranty, free yearly adapter replacement if damaged and other benefits.

For more information: www.aem-test.com | Enquiries: customercare@aem-test.com

North America: AEM International (US)

5560 West Chandler Blvd, Suite 3, Chandler, AZ 85226 | Toll Free 833-572-6916 | 480-534-1232

Asia: AEM Singapore Pte. Ltd. 52 Serangoon North Ave 4 Singapore 555853

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