

**Test to A620
Guidelines!**

CableEye® HVX System for High Voltage Cable Testing

Fast, Accurate, Superb Graphics and Documentation

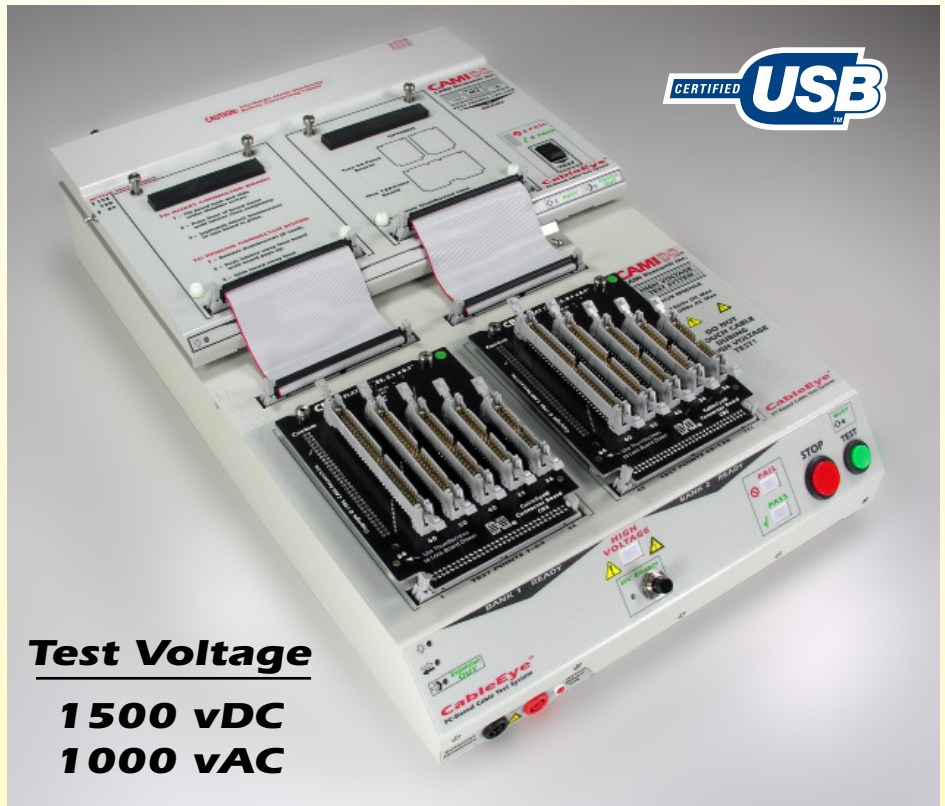
Item 829, CableEye HVX High Voltage Test System, 128 Test Points

Includes a 128-point fixture, electronics, and software, expandable to 512 test points by connecting HVX Expansion Modules (Item 828, each module adds 128 points). The CableEye M3U low-voltage tester (top deck) performs basic continuity and resistance checks. Set resistance thresholds for contact resistance down to 0.1 Ω , and for isolation up to 5 M Ω ; measure embedded resistors from 100 Ω to 1 M Ω with 1% accuracy, and lesser accuracy from 0.1 Ω to 5 M Ω ; measure diodes and resistor/diode combinations; automatically learn networks of diodes and resistors for comparison against electronic modules with similar networks. The high voltage test phase permits expanded testing for insulation resistance and dielectric breakdown. After checking for opens, shorts, miswires, and resistance limits, the HVX system will apply a user-selectable voltage from 10 v to 1500 vDC, or 10 v to 1000 vAC RMS, to each connection group in the cable. Current leakage detected during the high voltage test phase provides a measure of insulation resistance up to One Gigohm, and any leakage current exceeding a preset limit reveals the presence of moisture, flux, or other contamination on exposed contacts.

CableEye's high voltage test capability allows users to meet the industry-standard A620 guidelines for cable and wire harness testing. The system also produces archival-quality reports for each cable tested, showing the test voltage, leakage current, and insulation resistance for each wire group, and clearly denotes PASS or FAIL at the top of the report.

The additional External Terminals, not found on competitive multi-point cable testers, permit basic insulation testing on chassis and individual components.

A TEST pushbutton with READY, PASS, and FAIL indicators permits one-button operation. Software includes scripting capability for fully-automatic production testing. Guided assembly and other software options available. Low-voltage cable measurement time less than 0.5 second. Industry-standard 64-pin dual-row latch headers easily interface to external test fixtures of your own design for custom applications. Also includes a remote control socket for an external footswitch (Item 714) or for a custom remote control to extend panel indicators, and a 10-pin probe socket. Rugged, 1/16"-thick aluminum case with scratch-proof Lexan surface for long life in an industrial environment. The price includes a CB15 board set (Item 745) or your choice of another board set of equivalent value, PC software, User's Guide, one-year warranty, one-year free tech support, one-year free software and database upgrades. *Ready to use.*



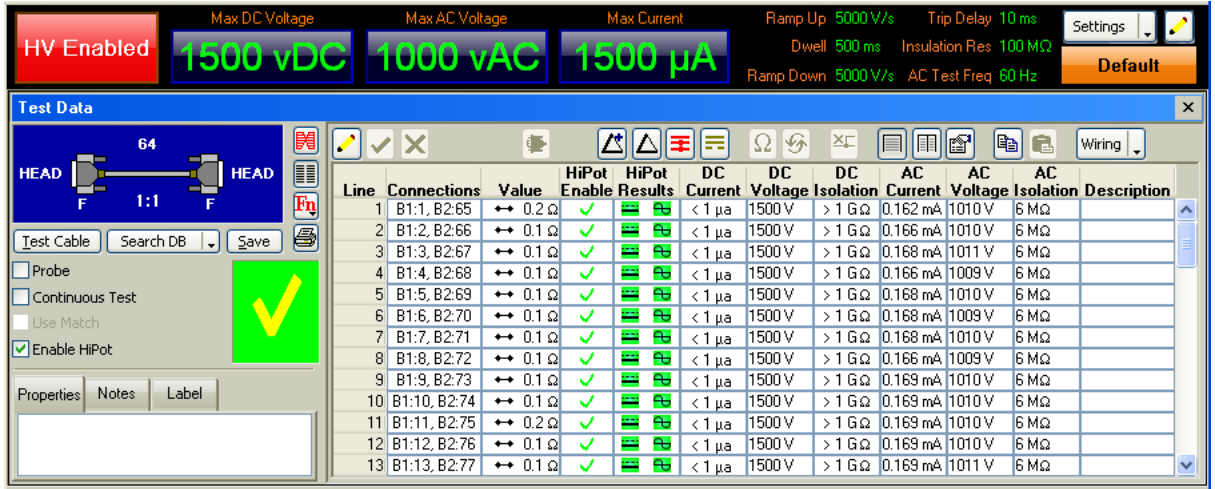
Test Voltage

**1500 vDC
1000 vAC**

CableEye® Model HVX, 128 Test Points, Expandable



External Terminals for Component Testing



Test Result Screen

HVX TECHNICAL SPECIFICATIONS

	Low Voltage	High Voltage
Test Points Available	64, 128, 152 Switch Selectable	64, 128 Switch Selectable
Expandable	Yes, to 512 Max	
Test Time	0.2 Sec One Threshold 0.25 Sec Two Thresholds	Depends on voltage, ramp rate, and test algorithm selected
USB Interface	USB 1.1, Fast, Two Ports Required	
Resistance Thresholds	0.1 Ω Conduction to 1 Gigohm Isolation	
Resistance Measurement	1% from 100 Ω to 1 MΩ Lesser accuracy over full range.	5% 1 MΩ to 100 MΩ, Lesser accuracy above 100 MΩ
Diode Measurement	Orientation and Forward Voltage, Rev. Breakdown	
Test Voltage	10 v	10 - 1500 vDC or 10 - 1000 vAC RMS in Increments of 1 v
Test Voltage Accuracy		DC: ± 2%, ± 1.5 v AC: ± 4%, ± 2 vRMS
Maximum Test Current	1 ma	LV: 3.3ma HV: Adj 25 μA – 1.5 mA
Dielectric Withstand Range		DC: 25 μA – 1.5 mA AC: 50 μA – 1.5 mA
Dielectric Withstand Accuracy		DC: ± 5%, ± 5 μA AC: ± 5%, ± 100 μA
Dwell Time Range	1 μS to 100 mS	LV: 1 μS to 100 mS HV: 10 mS - 300 S
IR Measurement Range	10 MΩ Max at 10v	2 MΩ - 1 GΩ at 1500 vDC 2 MΩ (min), High de- pends on adapter leakage
Calibration	Recommended Yearly	Recommended Yearly
I/O Connectors	64-pin dual-row headers, Two per 128-point module.	
Remote Control	mDIN8 connector for footswitch or external controls.	
Power Req.	100 - 250 vAC, 65w (max), IEC-standard C14 plug.	
Computer Req.	Windows XP, Vista, or Win7. Compatible with laptops.	



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