

CableEye[®] Environmental, EMC, & Safety Specifications

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Click [here](#) for Technical Specifications

To request a catalog, please go to camiresearch.com/get_brochure.html or call (978) 266-2655.

CAMI Research produces expandable and upgradable diagnostic Cable & Harness Test Systems for assembly, prototyping, production, and QC of standard or custom cables. CableEye[®] Testers display, and document basic electrical properties such as continuity, resistance, dielectric breakdown, insulation resistance, miswires, and intermittent defects. camiresearch.com

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1 Environmental

1.1 Temperature & Humidity

Low Voltage Series		M2U-B, M2U M3U, M3UH
Base models plus expansion modules		
Mode	Temperature	Humidity
Operating	0°C to +45°C	40°C to 45°C, 10% to 60% rel. humidity, non-condensing.
	(+32°F to +113°F)	0°C to 40°C, 5% to 90% rel. humidity, non-condensing.
Non-Operating	-20°C to +60°C	Non-condensing
	(-4°F to +140°F)	

High Voltage Series		HVX, HVX21
Base models plus expansion modules		
Mode	Temperature	Humidity
Operating	0°C to +45°C	30°C to 45°C, 10% to 60% rel. humidity, non-condensing.
	(+32°F to +113°F)	0°C to 30°C, 5% to 70% rel. humidity, non-condensing. Note: humidity higher than the above levels may cause lower than normal insulation resistance readings at HV and increase likelihood of dielectric breakdown.
Non-Operating	-20°C to +60°C	Non-condensing



1.2 Dust, Dirt, Conductive Debris

CableEye testers may be used in the field. Debris shields around the 64-pin headers prevent wire clipping conductive debris from falling onto the printed circuit board. However, the case is not hermetically sealed. There are small openings a) between the cover and base, and b) at the connectors on the side and back of tester, where air can flow and dust and dirt can be deposited.

If the tester is not going to be used for extended periods of time, we recommend storing it in a clean environment (a sealed bag is adequate). For long-term storage, we suggest storing it in the packaging in which it was delivered or in one of our transportation cases. For transportation to and from field jobs, we recommend using our Tester Transportation Case ([low voltage series case](#), [high voltage series case](#)), and [CB Board Transportation Case](#). Simple regular servicing will also ensure the tester remains free of debris.

For recommendations on operating CableEye safely, see [Protecting your Cable Tester](#).

Protecting
your Cable
Tester



2 EMC & Safety

2.1 Electromagnetic Compatibility – CE Mark (all models)



Certificate of Conformity
issued by Curtis-Straus LLC, a wholly owned subsidiary of BV CPS

Company: CAMI Research Inc.
Product Tested: CableEye
Testing Date: Feb 5, 8, 9, 22 and 23, 2010
Report No.: EJ1241-1

A sample of the product as configured in the accompanying test report has been found to comply with the following standards:

EMC Emissions:

- FCC 47 CFR Part 15 Class A emissions requirements (USA)
- EN 55011: 2007/A2:2007 Group 1 Class A ISM emissions requirements (EU)
- EN 61000-3-2:2006 Limits for harmonic current emissions (equipment input current up to and including 16A per phase)
- EN 61000-3-3:1995/A1:2001/A2:2005 Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current up to and including 16 A

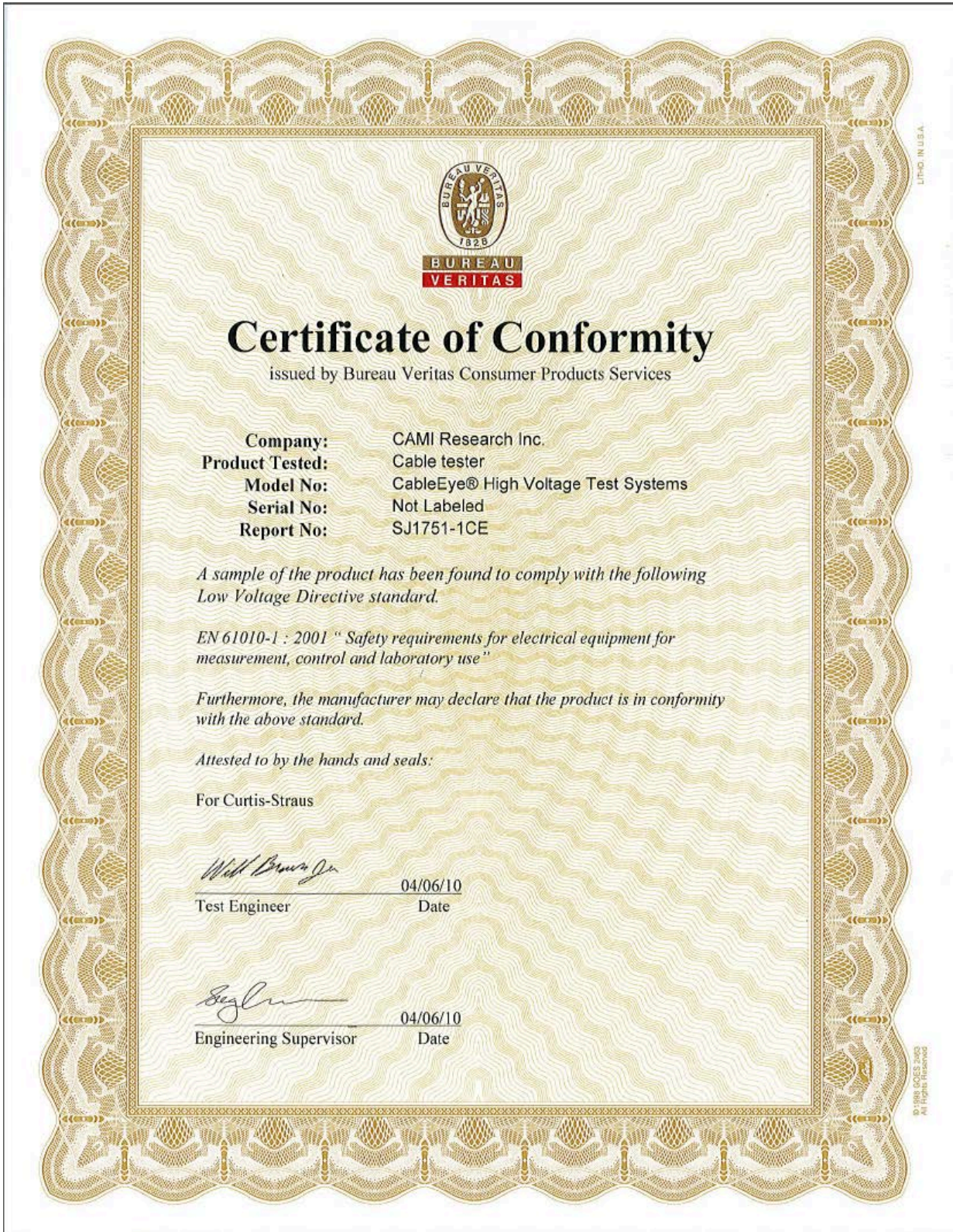
EMC Emissions and Immunity:

- EN 61326:2006 EMC requirements for Electrical equipment for measurement, control and laboratory use – General Use

Attested to by the hands and seals:

For Curtis-Straus LLC	For the Manufacturer or Importer
	
Test Engineer	Date
3/17/10	
	
EMC Manager	Date
3/17/10	

2.2 Safety – CE Mark (HVX)



BUREAU VERITAS
1828

Certificate of Conformity

issued by Bureau Veritas Consumer Products Services

Company: CAMI Research Inc.
Product Tested: Cable tester
Model No: CableEye® High Voltage Test Systems
Serial No: Not Labeled
Report No: SJ1751-1CE


A sample of the product has been found to comply with the following Low Voltage Directive standard.


EN 61010-1 : 2001 " Safety requirements for electrical equipment for measurement, control and laboratory use "

Furthermore, the manufacturer may declare that the product is in conformity with the above standard.

Attested to by the hands and seals:

For Curtis-Straus


Test Engineer 04/06/10
Date


Engineering Supervisor 04/06/10
Date

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