



Automatically Measure and Report Environmental Test Conditions with Cable/Harness Electrical Function Data

CAMI Integrates Dracal Environmental Sensor with CableEye Test System

November 29, 2022

CAMI Research Inc. (Acton, MA), manufacturer of the **CableEye®** automation-ready cable and harness test system, has released an environmental sensor option incorporating the Dracal PTH200 sensor. Of particular interest to medical and defense applications, this option provides automatic measurement and reporting of environmental test conditions (temperature, relative humidity, pressure) alongside electrical function data for the cable, harness, or backplane under test. This option simplifies test and reporting procedures especially involving testing with environmental chambers.

Configuration

A leader in the development of PC-based cable and wire harness test systems, CAMI offers the **CableEye** suite of products complete with accessories – including auto-detected, plug-in connector boards for fast, convenient set-up and testing of standard cables. When pre-populated and pre-configured boards are used, the software automatically displays a graphic of the connectors in addition to the wiring under test. The tester can be readily programmed to do the same for custom boards and fixtures.

Testing your cables and wire harness assemblies is only part of the solution. By combining test, fault location, design, documentation, labeling, database storage, and automation in one instrument, your **CableEye** test and management system covers all the bases. Use for R&D, prototyping, production (batch testing, HMLV, LMHV), diagnostics, and design.

CableEye Wiring Report		TEST DATA	연대로보틱스
Name: 111	7 Wire Unshielded Complex	2022-07-18 7:34 PM	
Temperature: 27.49 °C	Humidity: 61.30 %	Pressure: 99.76 kPa	
Operator Name: "no operator"		Print your company information here. Set up in Preferences/Print Options	

PASS



Set up your test station to perform multiple background tasks, including environmental data acquisition, all triggered automatically with a single click of a button or a barcode scan.

All **CableEye** testers ship with comprehensive software providing test functions, connectors database, graphic wiring display, reporting, data logging, automation scripting *and many more features*. Truly future-ready, this software is readily upgradable so that in twenty years, your system will have even more features than when it was purchased.

The new add-on option comprises custom software and a Dracal environmental sensor that connects to a USB port on the tester's computer. CAMI's accompanying custom software reads the data into variables within the main **CableEye** software. The basic option (Item 879) has a typical operating range and precision as noted in the table.

Temperature	-40°C to 70°C	±0.3°C
Relative humidity	0 %RH to 100 %RH	±2.0 %RH
Atmospheric pressure	70 kPa to 110 kPa	±0.15 kPa (at 25 °C)
	70 kPa to 110 kPa	±0.18 kPa (from 10 to 40°C)
	45 kPa to 110 kPa	±0.20 kPa (from 0 to 40°C)

Table 1: Typical Operating Range and Precision

Availability & Domestic US Pricing

Available immediately, the basic Environmental Sensor option is \$239 (Item 879). Contact us to inquire about options with user-calibratable sensor (PTH200-CAL), or with precision (PTH420) or high precision and wider temperature range measurement (PTH450, -40°C to 125°C).

Contact sales@camiresearch.com or (978) 266-2655 for a quote.

Note: Prices are USA only and subject to exchange rates, freight and import costs. Contact your local **authorized distributor** for local pricing.

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, capacitance, dielectric breakdown, insulation resistance, miswires, and intermittent defects.
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