



High Voltage Cable, Harness, Backplane Testing Made Easy



The Cirris CH2 cable, harness, backplane wiring test system is capable of testing assemblies with up to 20,000 points at voltages to 1500 VDC and 1000 VAC.

COMPACT SIZE/RACK MOUNTABLE:

The CH2 packs up to 800 test points in a scanner chassis that measures 17" x 17" x 6" and weighs only 20 lbs. Each scanner chassis is comprised of up to five 160 point scanner boxes. The CH2 is an ideal portable, bench-top tester for small applications and is easily rack mounted for larger applications.

FLEXIBLE-EASY TO USE: The CH2 uses our popular, Windows-based easy-wire software, the same software

as our easy-wire CR and CH+ testers. It offers great flexibility and ease of use. It can self-learn from a sample assembly. You can import a wire-list file, or you can easily create and edit your own test programs. It is so easy to set up and use that there is no need for costly set-up fees or extensive in-house training.

FAST: The CH2 combines two-relay-per-point architecture with our lightening-fast continuity algorithm to give you continuity test speeds comparable with solid state switching for fast low-voltage continuity testing and our high-speed hipot algorithm for fast high-voltage testing. It is quick and easy to program and test,

helping you increase productivity, and provides rapid feedback on errors.

DURABLE-RELIABLE: Cirris has more than 25,000 cable/harness testers in service in over 7,000 customer locations throughout the world; most of them in demanding, high volume applications. This experience and knowledge assure you that the CH2 will meet your demanding expectations, year after year.

MODULAR DESIGN-OVERNIGHT SERVICE: Cirris testers are built with a unique modular design for easy serviceability. This, along with our overnight board swap program, means an end to costly downtime.

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CIRRIS®

Cable/Harness Testing Made Easy™

Powerful Software: Our Windows-based easy-wire software gives you many capabilities in an easy-to-use environment. Some of these features are:

I/O Control: The CH2 gives you built in digital I/O, with 8 programmable inputs and 8 outputs which allow you to drive external hardware such as marking/stamping machines, fixture locks, pushback modules, energizing relays, etc.

SPC Data Collection/Custom

Reporting: easy-wire software provides full SPC data collection. Along with pass/fail results you can save actual measured values for each assembly tested. You can collect test results by operator, by test station or by product. Our Custom Report feature allows you to completely customize any of four standard test reports to meet your specific requirements.

Graphical Connectors/Test-Point

Labeling: Easily create graphical connectors, connector names and pin

numbers, which are displayed on-screen while testing.

Zero Defect Guided Assembly Aid

More than just a tester, the CH2 can be used as a step-by-step wire harness guided assembly aid. Random or sequential build modes guide the operator through assembly, testing each wire as it is added.

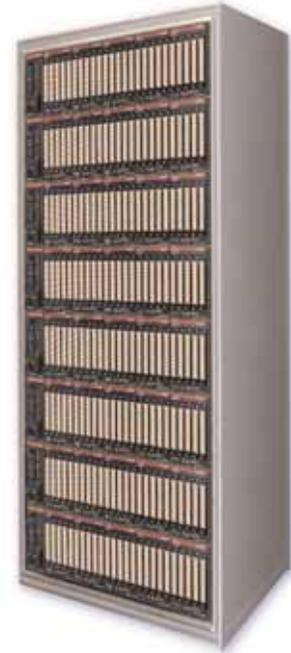
Security: Set up password-protected security levels for each operator to limit access to system features.

Multiple Resistance/Voltage Values

per Wire: You can set different resistance thresholds and test voltages on a wire by wire basis, allowing for greater flexibility of testing.

On-Line Help: The CH2 has an on-line help system that offers complete step-by-step instructions or context sensitive help. The operator can get instant help by clicking on any part of the user interface, or can call up any topic alphabetically.

Easy Calibration: For supporting your ISO 9000 certification requirements Cirris offers a Performance Check Kit. This kit provides you with the ability to do in-house calibration to the same specifications as the manufacturer.



The CH2 can be mounted in a standard 19" relay rack. (6400 test points shown)

Specifications

TEST POINTS:

Expandable from 160 to 20,000 points in 160 point increments.

TEST LEVELS:

Continuity Test - 2-wire:

Voltage: Standard 2.5V

Current: .1uA to 10mA

Resistance: .1Ω to 1MΩ ±2% ±.1Ω

Continuity Test - 4-wire:

Voltage: Standard 2.5V

Current: (.001Ω - 1Ω) - 2A (1Ω - 10Ω) - 200mA (10Ω - 100Ω) - 20mA

Resistance: .001Ω to 100Ω ±2% ±.001Ω

Capacitance: 1nF to 1000μF ±10% ±50pF

Insulation Test:

Voltage: 100 to 1500 VDC (50 volt steps) ±5% ±5V

Resistance: 5M to 1000M ohms ±10%

Dielectric Withstand Test:

Voltage: 100 to 1500 VDC or 100 to 1000 VAC (50 volt steps) ±5% ±5V

Current Limit: (DC) .1mA to 2.5mA

(AC) .1mA to 1.5mA (RMS)

Dwell: (DC) 10ms to 120 sec.

(AC) 17ms to 120 sec. (1 cycle to 7200 cycles)

MAXIMUM CAPACITANCE PER NET:

15 nF @ 1500VDC, 2.5 nF @ 1000VAC

HV ENERGY LIMIT: 35m Joules

TEST POINT CONNECTOR:

Standard: 96 pos. FEMALE VME Eurocard connector-32 pos. loaded.

Optional: Cirris HVI (High Voltage Interconnect)

COMPUTER REQUIREMENTS:

1 GHz processor speed, Windows 2000 or XP Pro operating system, 512 Meg RAM (Recommend 1 Gig RAM for a larger system), 64 Meg video RAM, 1 USB slot (1.1 or 2.0 compatible), sound and CD drive available.

Server Requirements: Windows 2000 Server or Windows 2003 Server, operating system, 1 Gig RAM, 500 Meg free disk space.

POWER: 105-135 VAC, 60 Hz. 300 watts (210-260 VAC 50 Hz. optional)

SIZE: (each box) 17" x 17" x 6" (43cm x 43cm x 15cm)

WEIGHT: (each box) 40 lbs. (18kg)

WARRANTY: 1 year parts and labor. Replacement modules available next working day.