

Our most capable tester for complex assemblies



100k
PT
test
points



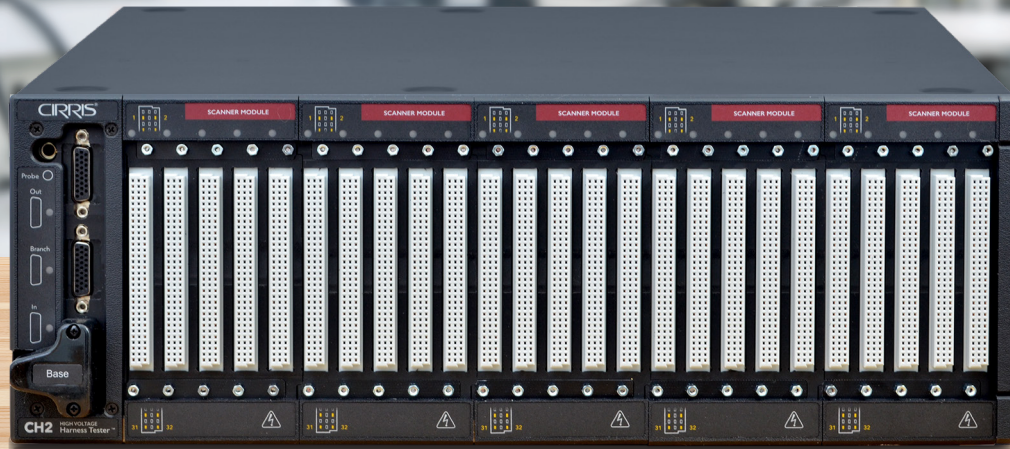
PC
control



high
voltage



guided
assembly



Cirris CH2™ high voltage harness tester

CIRRIS®
SYSTEMS

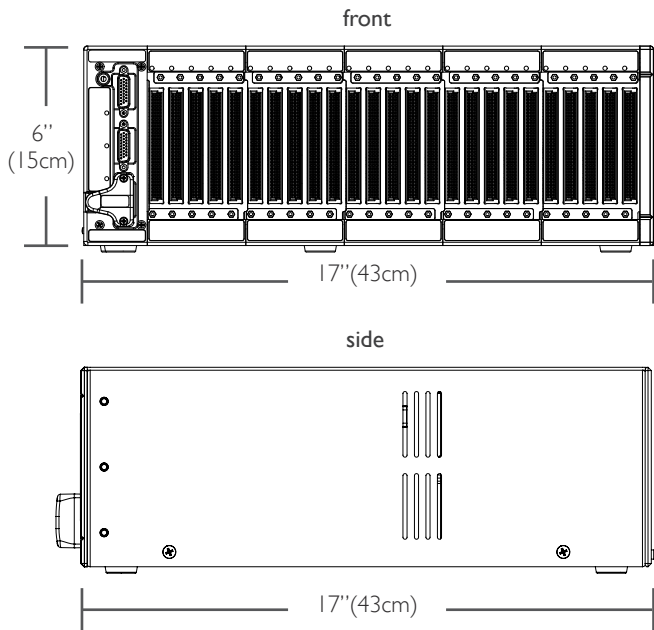
As test standards become more stringent, particularly in the realm of high voltage testing, you are tasked with ensuring the functionality and quality of increasingly complex assemblies.

The CH2 is a versatile wire harness tester with built-in high voltage and component testing capability. It is compact enough to be easily used on a factory floor, yet capable enough to meet military test specifications. Along with being easy to learn, the CH2 provides you with a high level of control over testing.

Product Features

- **The Most Capable Cirris Tester** – fast high voltage testing of wires, components, switches, relays, and more.
- **Expandable for Large Assemblies** – up to 100,000 points (160 points per scanner box, up to 800 points per unit)
- **Easy to Learn** – become proficient with the system in days. Training classes are available if needed.
- **Quick Test Setup** – Cirris Smart-Lights™ provide quick mechanical support for changing test setup
- **Compact** – base unit holds 800 test points, weighs 40 pounds, and the footprint is only 17" x 17" x 6".
- **Test Standards** – meets the requirements of the following test standards: IPC/WHMA-A-620, MIL-STD-202G, MIL-HDBK-83575, MIL-STD-1344A(5), and MIL-C-45224D.
- **Guided Assembly** – graphical instruction on the screen and LED prompts on the harness board guide operators during assembly.
- **Powerful Reporting** – test reports can be readily customized for organization and understanding.

For more information visit www.cirris.com/ch2 or call 1-800-441-9910.



CH2 Specifications

Test Points

160 to 800 points; expandable to 100,000 points in 160-point increments. (Max distance from base unit: 200 ft.)

Low Voltage Test

■ 2 Wire

Voltage: Standard 2.5 V max

Current: 1 μ A to 10 mA

Resistance: 0.1 Ω to 1 M Ω \pm 2% \pm 0.1 Ω

■ 4 Wire

Voltage: Standard 2.5 V max

Current: 2 μ A to 2 A

Resistance: .001 Ω to 100 Ω \pm 2% \pm 0.001 Ω

Components Test

Diodes: 0 to 2.5 V

Resistors: 0.1 Ω to 1 M Ω \pm 2%

Capacitors: 10 pF to 5000 μ F \pm 10% \pm 50 pF

Twisted Pairs: Verify proper pairing in twisted pair cables

High Voltage Test

■ Insulation Resistance Test

Voltage: 10 to 1500VDC \pm 5% \pm 5 V

Resistance: 5 M Ω to 1000 M Ω \pm 10%

■ Dielectric Withstand Test

Voltage: 10 to 1500VDC \pm 5% \pm 5 V or 10 to 1070 VAC \pm 5% \pm 5 V (up to 1500 VAC with xHV option) (1 volt steps)

Current Limit: (DC) 10 μ A to 2.5 mA, (AC) 10 μ A to 2.5 mA (RMS) or to 22 mA with xHV option

Max Capacitance Per Net: 30 nF @ 1500VDC, 9.5 nF @ 1000 VAC

HV Energy Limit: 35 mJ

HV Charge Limit: 45 μ C

Max Points Per Net

Unlimited

Digital Input/Output

8 Inputs / 8 Outputs, 30V Open collector, +12V and +5V each current limited to 100 mA

Test Point Interface

96 pos. Female VME Eurocard connector-32 pos. loaded

User Interface

■ PC Requirements

Test Station: 2.0 GHz min. processor speed, Windows 7[®], or Windows 8.1[®], 15 GB hard drive space, 4 GB RAM, 256 MB min. video memory, 1024 x 768 min display resolution, sound (for audible feedback), USB 2.0 or 3.0 port

Optional Network Database Server: As above except no sound or USB ports required. Windows 7[®] Pro, Windows 8.1[®] Pro, Windows Server 2003[®] or Windows Server 2008[®] OS

Power

115 / 230V 50/60 Hz

Size

17" x 17" x 6" (43cm x 43cm x 15cm) (base or expansion enclosure)

Weight

40 lbs (18kg) (fully loaded base or expansion enclosure)

Expansion Options

xHV Unit: Perform AC Dielectric Withstand testing at up to 1500 V

Energization Unit: Powers relays, lamps, etc. for advanced testing

Isolated Power: Allows testing of devices connected to earth ground