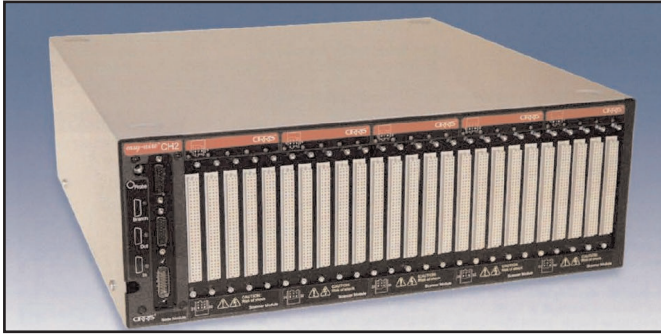


easy-wire CH2

High Voltage Cable, Harness and Backplane Tester



Up to 20,000 test points

Self learn programming

Continuity, resistance and components

Capacitance and twisted pair tests

4-wire resistance. 0.001 ohm resolution

The Signature CH2 is a complete cable, harness, and backplane test system capable of testing assemblies with a maximum of 20,000 points at voltages up to 1500 VDC and 1000VAC. 4-wire resistance tests down to 0.001 ohms enables wire gauge, wire length and contact resistance tests to be performed.

Fast: The CH2 combines two-relay per point architecture with our lightning-fast continuity algorithm for fast low voltage continuity testing and Cirris' unique high-speed algorithm for fast HiPot testing. It self learns and tests rapidly, helping increase output and productivity. Accurate pass/fail and diagnostic results are provided at end of test. It is easy to set up and use; there are no costly installation expenses or special in-house training required to get going.

Compact Size: The CH2 can pack up to 800 test points in its scanner chassis measuring only 430x430x150mm and weighing less than 10Kg. The CH2 is an ideal bench-top system yet can easily be mounted into a standard 19" rack providing the option of any interface connectors of your choice.

Durable-Reliable: Cirris has more than 25,000 cable/harness testers in service, in over 7,000 customer locations throughout the world, many in demanding, high volume applications. Cirris has used this experience and knowledge to provide CH2 with the power and flexibility to meet the technical and economic test challenges of modern high technology manufacturing and test.

Flexible, Easy to Use: The CH2 uses our popular Windows based *easy-wire* software offering speed, power and ease of use. Installing CH2 into a 19" rack enables any interface style to be built on to the front panel. eg ZIFs, D-types, Amphenol 601s, EDAC etc.

Modular Design: Cirris test systems are built with a unique modular design featuring built-in test diagnostics for easy serviceability. This, along with our board exchange program means an end to down-time worries. Cirris' policy means no costly annual maintenance contracts are required.

Powerful Software: The Windows based software provides many powerful, easy to use, capabilities within a familiar, user friendly environment. Learning curves are cut drastically.

Graphical Connectors & Test Point Labeling: Easily create graphical connectors, connector names and pin numbers for display on-screen while testing

I/O Control: CH2 has 8 built-in programmable digital inputs and 8 outputs. This enables the tester to drive external hardware such as markers, operate relays, fixture locks etc.

SPC Data Collection: *easy-wire* software provides full SPC data collection, including information such as the customer's name, vital part numbers, operator identity and date.

Password Protection: Multiple levels of user access are available, all fully configurable, with password protection.

Multiple Resistance/Voltage settings per wire:

With the CH2 different resistance thresholds and test voltages can be set on a wire by wire basis.

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

On-Line Help: The CH2 has comprehensive on-line help providing step-by-step instructions and context sensitive assistance. Operators can access help by clicking on any part of the user interface or can call up any topic alphabetically.

Easy Calibration: Provides traceability back to national standards quickly and at low cost. You can either return the tester to Cirris Solutions for calibration check, valid for one year, or complete the calibration checks on site by purchasing the calibration kit which uses plug in transfer standards. These are valid for 5 years.



4000 test point CH2 mounted in a 19" rack

For more information call 01525 374466.

Specification

TEST POINTS:

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

TEST LEVELS:

Continuity Test [2-wire]:

Voltage: < 2½ volts < 10 mA.

Resistance: 1ohm to 1Mohm ohms ±2% ±0.1ohm.

Continuity Test [4-wire]:

Voltage: < 2½ volts

Current: 0.001 - 1 ohm 2A, 1 - 10 ohms 200mA,
10 - 100 ohms 20mA

Resistance: 0.001ohm to 100ohm ±1% ±0.001ohm.

Capacitance: 1nF - 1000uF ±10% ±50pF.

Insulation Test:

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

Resistance: 5Mohms to 1000Mohms ±10%.

Dielectric Withstand Test:

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

Current limit: (DC) 0.1mA to 1.5mA
(AC) 0.1mA to 1.5mA(peak) ±10%.

Dwell: (DC) 10ms to 120sec.
(AC) 17ms to 120sec.(1 to 7200 cycles).

MAX CAPACITANCE PER NET:

15 nF @ 1500VDC, 2.5 nF @ 1000VAC.

HV ENERGY LIMIT: 30 mJoules.

TEST POINT CONNECTOR:

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

Optional: Cirris HVI connector

COMPUTER REQUIREMENTS:

1 GHz processor, W2000 or XP Pro operating system,
512Meg RAM, 64Meg video RAM, 1 USB slot (1.1 or 2.0),
sound card CD ROM.

POWER: 210-250 VAC 50 Hz 300W.

SIZE: 430 x 430 x 150mm. (Each box)

WEIGHT: 18kgs. (Chassis & test points)

WARRANTY: 1 year parts and labour.
Lifetime free telephone support.

Cirris Solutions Limited

4 Commerce Way, Stanbridge Road,
Leighton Buzzard, Bedfordshire, LU7 4RW

T: +44 [0]1525-374466 F: +44 [0]1525-374468
sales@cirris.co.uk www.cirris.co.uk

