

Easy-Wire CR

Guided Harness Assembly and Testing



256 to 32,000 test points

Guided assembly

Comprehensive testing

Graphics, sound and LED support

Quality statistics

Easy-wire CR is a breakthrough in harness build guidance systems featuring fast set up, excellent prompts and feed back together with Cirris's comprehensive low voltage test system in the most compact package yet seen. And it is modular, growing from 256 points to 32,000 test points in 256 increments.

Guided wiring systems are a must for efficient build of high quality harnesses. Without guidance, operators take time to acquire speed and accuracy and mistakes can be costly. CR's software slashes the time to set up new build programs and ensures that the most complex harnesses are built right first time, every time from day one. Drawings, samples and buzzing out at the build table are eliminated at a stroke. Even experienced assemblers will appreciate the instant audio-visual

feedback provided, catching wiring errors the instant they occur. With the Easy-wire CR you'll spend far less time setting up and more time actually building good harnesses.

Physical set up:

Simply fix each mating connector on to the build surface and wire each connection back to CR's test interface. Fit a dual colour LED against each connector and simply wire them back to the test interface. That's it. CR does the rest.

Fast and easy:

Harness setup information is straightforward with CR's Windows based software program. With the help of graphical prompts you easily define connectors, input from/to information, label connections, wires etc., and assign LEDs.

Pictures of connectors:

It's quick and easy to define connector types and the number of pins through Windows dialogue boxes. Large, colour, on-screen pictures are generated automatically which show exactly which pin to load.

LED Guided Assembly:

Simply use any two test points for each LED. Mapping LEDs to connector pins is very fast using our easy-touch probe system. In use, green blinking LEDs indicate the next two points to be terminated, while red blinking LEDs indicate a mis-wired connection.

Audible feedback:

When using CR for guided harness assembly, in addition to LED signals, an instant audible tone sounds each time a connection is made; one tone for a good connection and a different tone for a bad connection. In fact, any .WAV sound file, including digitally recorded voice, can be used.

Body probe:

Probe/wriststrap feature using body conductance further streamlines harness assembly. You can identify a correct wire among a bundle of thousands simply by touching the wire ends, massively cutting the search time. ▶

Compact and expandable:

CR's extremely small size (each 256 point box measures only 137mm x 168mm x 66mm and weighs only 1.3kg) and daisy-chain architecture allow you to distribute the test points around your unit under test reducing the length and complexity of your interface cabling. Expandable to over 65,000 points, the CR should meet your largest requirements.

It's a tester:

The CR is a compact, versatile harness and backplane tester. It tests wired assemblies for opens, shorts and mis-wires with user selectable pass-fail resistance thresholds from 0.01ohm to 1,000 k ohm, tests resistors, diodes, and capacitors and can verify proper twisting in harnesses with twisted pairs.

Versatile:

With sequential build/test mode, random build/test mode, single test and continuous test, the CR can be setup to handle a wide variety of harness build and test needs. CR sets a new standard for quality and productivity with simplicity and affordability. CR also performs as a backplane tester.



Large racecar chassis harness board for guided build and test. LEDs can be sighted at every connector to aid "right-first-time" assembly and the CirrisCR tester can be tucked away out of sight.



Opposite a CNC machine "pushback" module that can be used with Cirris Easywire harness test systems. Call for Cirris for details.

For more information or details of free, no obligation 7 day trial, call 01525-374466.

Specification

TEST POINTS

Expandable from 256 to 32,000 points in 256 increments.

UNIT TYPES

Base scanner: 256 points, one required per test system.
Add-on scanner: 256 points, no power required.
Booster scanner: 256 points, one required per six Add-ons.

TEST LEVELS

Voltage: 10 volts < 6mA
Resistance: 0.1 to 100k +/-3% +/-1; 100k to 1M +/-10%.
Capacitance: 100pF to 100uF +/- 10%.
Components tested: Resistors, diodes, zeners, LEDs, cap's, 4-wire low resistance testing.
Distributed testing: Max distance between boxes, 6 metres.
Max distance total system, 60 metres.
Test rate: 256 points less than 1 second.
Mating connectors: 64 point (2 row x 32 pins) 0.1" box header with latches.

COMPUTER REQUIREMENTS

Minimum: Pentium class, Windows 98, colour SVGA monitor, 100 meg hard drive, 256 meg RAM.
Recommended: As above with multi-media.

POWER (required for base unit and boosters only)

210 - 260 Vac 50Hz 10 watts max.

PROBE/ WRIST STRAP

For wire identification during guided assembly.

SIZE

137 x 168 x 660mm . (5.4" x 6.8" x 6.6")

WEIGHT

1.3kg (2.9 lbs)

SOFTWARE FEATURES

Learn from sample.
Test points activate LEDs.
Build mode for testing during assembly.
Graphical representation of connectors during assembly and test.
Context sensitive help.
Password security.
SPC data collection.
Custom reports

WARRANTY

One year parts and labour. Replacement modules normally available next working day.

Cirris Solutions Ltd
4 Commerce Way
Leighton Buzzard
Bedfordshire LU7 4RW
T: 01525-374466
F: 01525-374468
E: sales@cirris.co.uk
www.cirris-solutions.com

