

Signature® 1000RX



Easy, Affordable Resistance Testing

The Signature 1000RX is a low-cost cable/harness tester capable of testing from 128 to 256 points for opens, shorts, and miswires at resistance levels as low as .1 ohms.

Assure Quality Assemblies: The Signature 1000RX does more than just test. It is a complete system for quality assurance. Optional PC Link software allows interfacing to a computer for the purpose of creating/editing wire lists, logging test data, and more.

Fast/Easy To Use: Designed for high-volume production use the 1000RX is

fast and simple to use. It communicates in plain English on its 2 line X 16 character LCD. It self-programs from a sample assembly or from wire lists stored in memory. Wire lists can also be downloaded from a computer (optional). Test results are given both audibly and visually. Wire identification by touch, and step-by-step assembly instructions make the 1000RX an ideal tool for guided harness assembly.

Eliminate Fixturing Hassles: Cirris Systems offers the widest variety of standard interface adapters in the industry. Most popular connectors are

available on cards that simply snap in and out of the analyzer.

Save Time/Save Money: Catching potential problems before they become real problems saves time, money, and customers. With its compact size and low price the Signature 1000RX is easy to put right in the hands of those doing the assembly. Workers who perform quality assurance at the point of production eliminate scrap and rework. Use it for incoming inspection to keep defective assemblies out of your operation.

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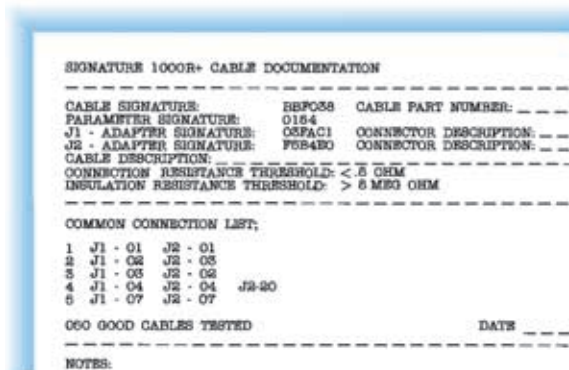
CIRRISS®
Cable/Harness Testing Made Easy™

Test Parameters: The 1000RX tests at 5.5 volts DC. You can select resistance thresholds from .1 ohms to 5M ohms. In the "AUTO" setting the analyzer will scan the assembly and automatically set the threshold for you. In the "CALC" setting the analyzer learns an assembly and displays or prints the point-to-point wire list—including resistance values.

Probe/Wrist Strap: The 1000RX comes standard with a probe for wire identification. Optionally, a standard wrist strap can be used utilizing body conductance in the guided assembly mode.

Tests Assemblies with Resistors and Diodes: The 1000RX can automatically learn and test assemblies with multiple resistance values and/or diodes.

Documentation of Wiring, Connectors, and Parameters: Printouts containing the wiring list, connector identification, and parameter settings programmed into the analyzer's memory are easily created. This information becomes your hard copy documentation of each unique assembly. You then test all future assemblies using this documentation. Printouts also provide proof of testing by identifying the number of good cables tested.



Printed reports are key to the Cirris Cable/Harness Quality Assurance System. Cirris stocks adapters for a wide variety of popular connectors.

Specifications

TEST POINTS

1000RX: 128 points, expandable to 256 points in 128-point increments.

TEST LEVELS

5.5 VDC max. At 180 μ A
6.7 mA max. Current (14 mW max. Power)

SENSITIVITY

Connection resistance/insulation resistance thresholds: AUTO & CALC, plus manually set thresholds from 0.1 Ω to 10k Ω (\pm 4% \pm 0.1 Ω); 50k Ω (\pm 10%); 500k Ω (\pm 20%); 1M Ω (\pm 25%); 5M Ω (\pm 25%)

TYPICAL TEST RATE

Tests 256 points in less than 1 second, 128 points in less than 0.3 seconds

MAX POINTS PER NET

128 points

PRINTER OUTPUT

Standard Epson/Centronics type parallel interface. Pinout matches IBM PC parallel port.

SERIAL PORT (optional)

RS-232C interface. PC Link software included.

PROBE/WRIST STRAP

For test point identification.

MEMORY

Nonvolatile storage of up to 50 wirelists.
Lithium battery backup.

POWER

105 -135 VAC, 60Hz 10 Watts max.
210 -260 VAC, 50Hz (optional)

SIZE

1000RX: 10.5" w x 6.7" d x 2" h / 27 x 17 x 5cm
Scanner: 6.3" w x 6.7" d x 2" h / 16 x 17 x 5cm

WEIGHT

1000RX: 4.2 lbs - 1.9 kg
Scanner: 2.3 lbs - 1.0 kg

DISPLAY

2 line x 16 character LCD

WARRANTY

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

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