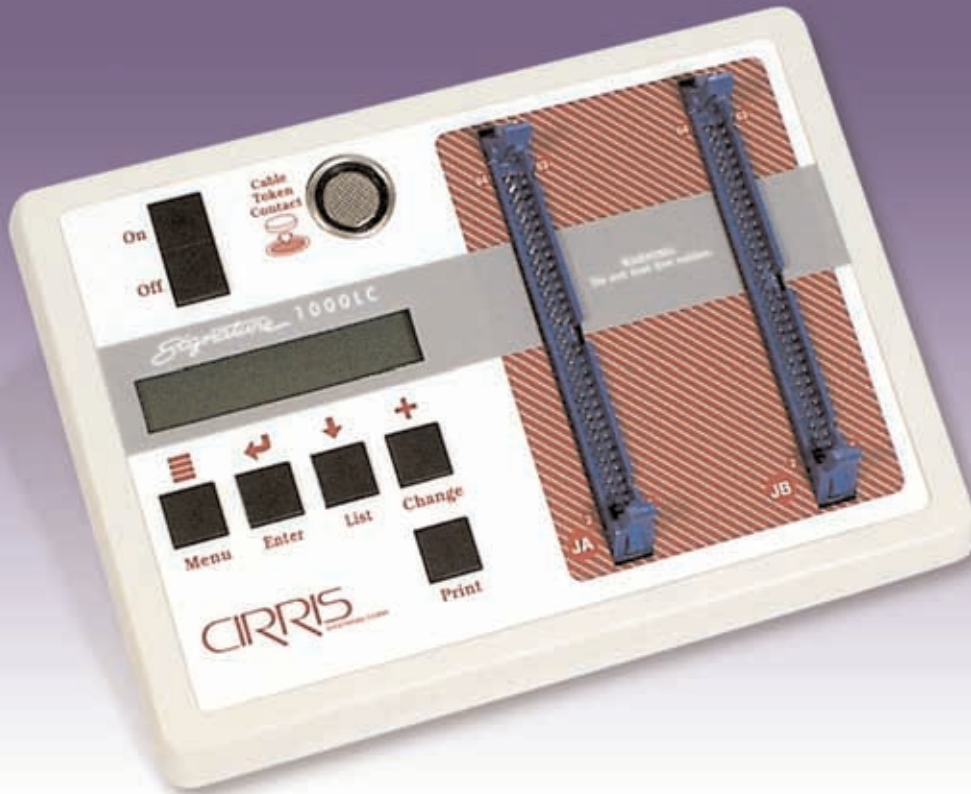# Signature® 1000LC

Low Cost Cable & Harness Testing Made Easy

The Signature 1000LC sets the standard for low-cost cable testing. It self-learns the wiring pattern of any kind of cable or harness and tests for opens, shorts, and miswires in less than one second.

Simple to Use: Easy-to-follow menu prompts guide you in programming and testing cables. Wire lists as well as error lists can be displayed or printed out at any time by simply pushing a button.

Self-Programming: The Signature 1000LC can be programmed from a sample cable, from internal memory, or from a "Memory Token." Any pattern of interconnections can be learned and tested (crossed wires, jumpers, etc.). The internal memory always saves the last learned cable.

To program from a Memory Token you simply touch a preprogrammed token to the Memory Token Contact on the tester. Each Memory Token stores the wire list of one cable.

Portable: Small in size, not in capability. Since the 1000LC operates on either 120/220 VAC or a 9 volt battery, it is ideal for both manufacturing and field service. An optional carrying case is available for field service.

Versatile: The Signature 1000LC can test any type of wired assembly up to 128 points. Interfacing is provided through two 64 pin, .1" dual-row male headers. A probe assists in test-point identification.

CIRRIS®

Cable/Harness Testing Made Easy ™

ISO 9001
CIRRIS' QUALITY SYSTEM IS CERTIFIED

Cost Effective: The Signature 1000LC's low price, speed, and easy operation *will save you time and money*. If you thought you couldn't afford a full-featured cable tester… *think again!*

Signature Analysis: The Signature 1000LC incorporates Cirris' "Signature" technology to verify proper programming. The Signature is a six-digit number, mathematically derived from an assembly's wire list. Each different cable/harness will have its own unique Signature based on its own wire list. The Signature of a programmed cable is matched with the original Signature to assure correct programming.

Just Try It Out: The Signature 1000LC is easy to evaluate. Just call our toll-free customer service at 1-800-441-9910 to arrange for a free demonstration unit. Cirris testers are backed by a full one-year warranty and 30-day right-of-return guarantee.

Specifications

TEST POINTS
128 points (two 64 pin .1" dual-row headers)

TEST VOLTAGE
9 volts current limited to 1.8mA

SENSITIVITY
All interconnections detected at 4kΩ ±20%

MAX CAPACITANCE
.1 μFd (effective testing for unshielded cables under 5000 feet some heavily shielded cables may be limited to shorter lengths)

TEST RATE
.5 second per test for typical cables (<10 feet)

SIGNATURE
Six-digit hexadecimal, compatible with other Cirris analyzers

PROBE
For test-point identification with probe; may be used with wrist strap to identify wires by hand. Input mates to .175" banana jack.

MEMORY
Internal memory backup of last cable list in use, external memory on Memory Tokens, one list per token.

DISPLAY
2 line x 16 character LCD

PRINTER OUTPUT
RS-232 serial port using DB9 female connector; 300, 1200, 9600 baud

TEMPERATURE
Operates from 40 to 110°F; 5 to 45°C

LINE POWER
100-135/220-240 VAC, 50-60 Hz .2 watts 9 volts

BATTERY POWER
Alternative power from standard 9 volt battery (NEDA 1604) 20mA drain for 25 hours on 500mA hours Alkaline battery or 5 hours on a 7.2 volt 100mA hour NiCad battery. The tester left idle will power down after five minutes.

SIZE
8.5"w x 5.5"d x 2.2"h (21.6 x 14 x 5.6 cm)

WEIGHT
1.2 lbs (0.5 kg)

WARRANTY
One year parts and labor

For More Information Call Toll-free 1-800-441-9910

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