

High voltage testing at an affordable price

CIRRIS[®]
SYSTEMS



Cirris 1100H+™ high voltage cable tester

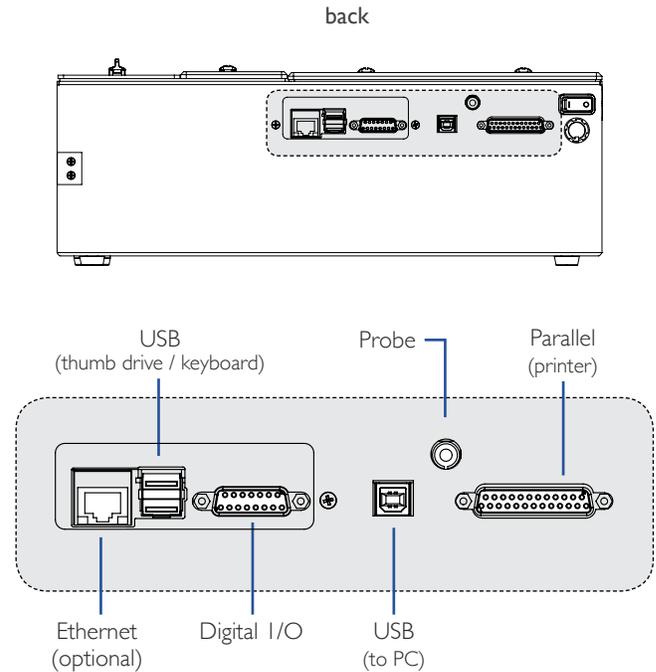
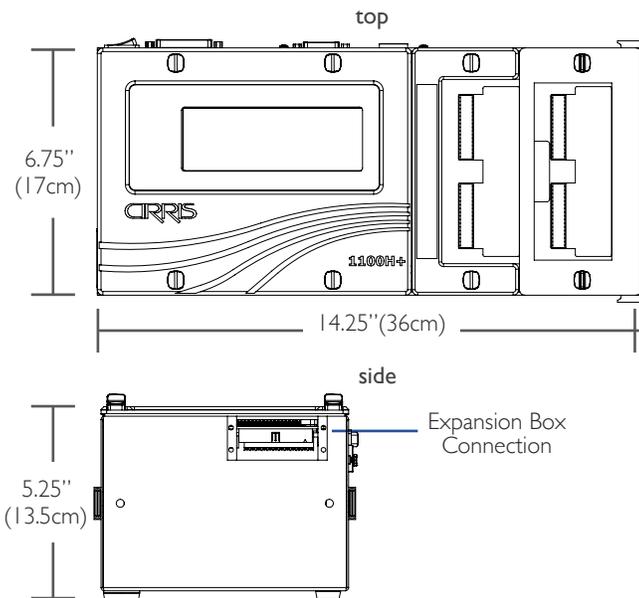
Advanced testing using high voltage is difficult to do by hand or with simple tools. But the necessary test equipment is often expensive and hard to justify for smaller shops with limited budgets or operations that require a large number of test stations.

The 1100H+ cable tester integrates easily into your manufacturing process at an affordable price. It reliably & consistently tests all electrical connections in a cable or harness assembly. With its ability to verify component placement and characteristics, along with high voltage insulation testing, the 1100H+ makes advanced testing of simple or complex assemblies easy, accurate, and fast.

Product Features

- **Capable of complex testing** – high voltage, components testing, and more
- **Low cost** – affordable for small shops, scalable for large operations
- **Quick test setup** – Cirris Adapter System provides inexpensive, interchangeable fixturing
- **Fast testing** – efficient algorithms reduce time spent on testing
- **Expandable for large assemblies** – up to 1024 test points (128 points per box)
- **Easy to Learn** – no advanced skills or training necessary to begin use
- **Compact** – small and lightweight
- **Self-contained** – independent system able to move around the production floor to different test stations
- **Optional PC control** – advanced features available when connected to a PC

For more information visit www.cirris.com/1100h or call 1-800-441-9910.



1100H+ Specifications

Test Points

128 points; expandable to 1024 points in 128-point increments

Low Voltage Test

■ 2 Wire

Voltage: 4V max

Current: 3 μ A to 6 mA

Resistance: 0.1 Ω to 100 k Ω \pm 1% \pm 0.1 Ω , 100 k Ω to 5 M Ω \pm 10%

■ 4 Wire

Voltage: 4V max

Current: 1 mA to 1 A

Resistance: 0.001 Ω to 10 Ω \pm 2% \pm 0.001 Ω

Component Tests

Diodes: Silicon, LEDs, zeners with breakdown > 4V

Resistors: 0.1 Ω to 100 k Ω \pm 1% \pm 0.1 Ω , 100 k Ω to 5 M Ω \pm 10%

Capacitors: 5 nF to 100 μ F \pm 10% \pm 0.02 nF

Twisted Pairs: Verify proper pairing in twisted pair cables

High Voltage Test

■ Insulation Resistance Test

Voltage: 50 to 1500 VDC \pm 5% \pm 5V (2000 VDC optional)

Resistance: 5 M Ω to 1000 M Ω \pm 10%

■ Dielectric Withstand Test

Voltage: 50 to 1500 VDC \pm 5% \pm 5V (2000 VDC optional, 50 to 1000 VAC optional)

Current Limit: 0.1 mA to 1.5 mA

Max Capacitance Per Net: 150 nF @ 300 VDC, 90 nF @ 500 VDC, 45 nF @ 1000 VDC, 30 nF @ 1500 VDC, 9.5 nF @ 1000 VAC

HV Energy Limit: 35 mJ

HV Charge Limit: 45 μ C

Max Points Per Net

100

Digital Input/Output

4 Inputs / 6 Outputs, 24V Open collector; +10V and +5V each current limited to 100 mA

Test Point Interface

Cirris Adapter System

User Interface

Display: 4 line \times 20 character LCD

Memory: Non-volatile storage of up to 99 test programs

Optional PC control: unlimited memory and additional advanced features

Power

115 / 230V 50/60 Hz

Size

Main Unit: 14.25" \times 6.75" \times 5.25" (36 cm \times 17 cm \times 13.5 cm)

Add-on Box: 6.25" \times 6.75" \times 5.25" (16 cm \times 13.5 cm \times 13.5 cm)

Weight

Main Unit: 9.7 lbs (4.4 kg)

Add-on Box: 6.3 lbs. (2.8 kg)