

32k  
PT  
test  
points



pc  
control



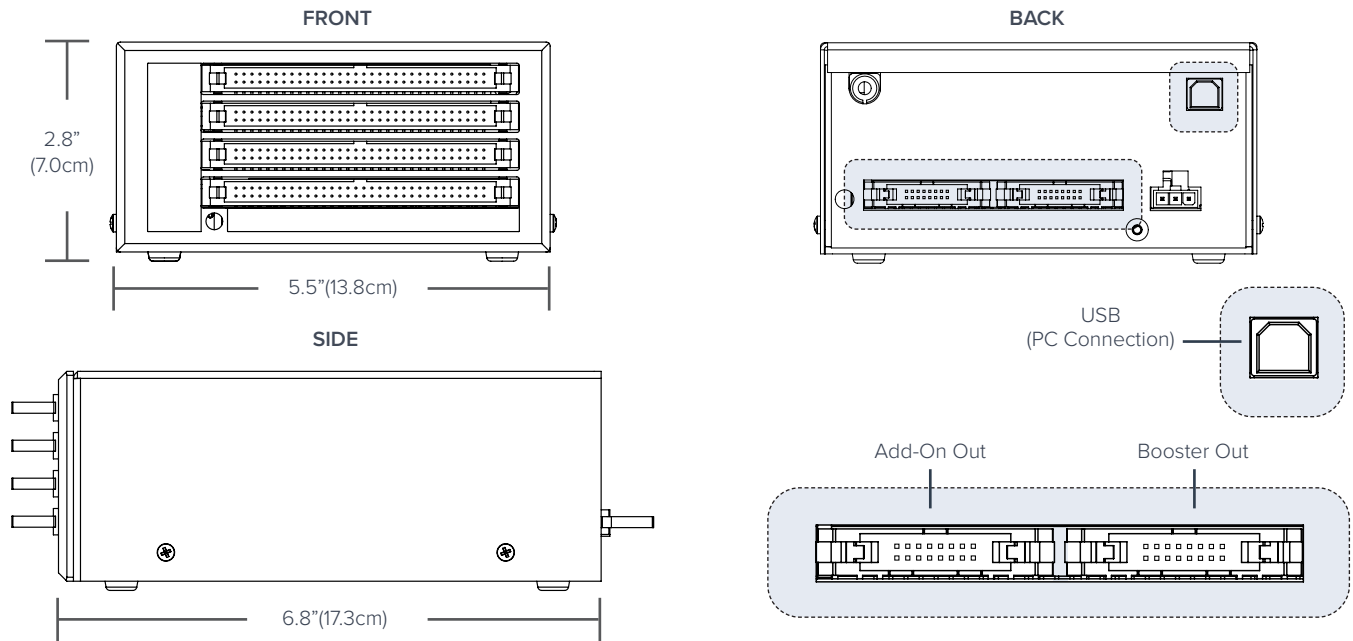
guided  
assembly

## CR Harness Tester

The Cirris CR harness tester is a build-aid and low voltage tester for complex harness assemblies with multiple connectors. The compact size of the tester means it can be set on the corner of a workstation, mounted on the back of a harness board, or distributed around the device to be tested. Driven by the powerful, PC-based Easy-Wire Software, the CR allows operators to view connector images with the target pin location. The harness tester will immediately alert operators if an error is made during the assembly process and low voltage testing.

### Product Features

- **Guided Assembly** – On-screen connector images, fixturing LEDs, and audible prompts can guide operators and alert them of errors when they occur.
- **End-of-line Testing** – If errors exist, guide prompts and Which-End error detection quickly helps operators in finding and solving issues.
- **Compact** – Small and lightweight.
- **Expandable** – Scale from 256 to 32,000 test points.
- **Distributable Test Points** – Keep all test points together or distribute them around the device to test to reduce fixturing length.
- **Cost-Efficient** – Minimal impact on budget with maximum gain on efficiency and quality.
- **Easy Test Setup** – Easy-Wire® Software on a PC automates test program creation.
- **Smart-Lights® Capable** – Compatible with Cirris Smart-Lights for quick setup.
- **Effective Reporting** – Test reports can be customized for organization and understanding.
- **Reports Archive** – Access and print previous test results from a test archive.
- **Security** – Restrict software access based on operator logins
- **Passive Components** – Fast low voltage testing of wires, resistors, capacitors, and diodes.
- **4-Wire Kelvin** – Make extremely accurate resistance measurements with 4-Wire Kelvin testing capability.
- **Digital I/O Option** – Integrate fixture clamps, switches, and sensors through an external PLC.
- **Network Capabilities** – Share test programs, test records, and fixturing information across networked Cirris testers and print to network printers.
- **PC Based** – Provides Easy-Wire Software control. Supports barcode scanners and local Windows network printers as needed.



## CR Specifications

### Test Points

256 points; expandable to 32,000 points in 256-point increments. (Max distance from base unit: 200 ft.)

### Low Voltage Test

#### ■ 2 Wire

**Voltage:** 10 V max

**Current:** 1.6  $\mu$ A to 6 mA

**Wire Resistance:** 0.1  $\Omega$  to 100  $\Omega$   $\pm$ 3%  $\pm$ 0.1  $\Omega$

#### ■ 4 Wire

**Voltage:** 10 V max

**Current:** 1.6  $\mu$ A to 6 mA

**Wire Resistance:** 0.005  $\Omega$  to 80  $\Omega$   $\pm$ 2%  $\pm$ 0.005  $\Omega$

### Component Tests

**Diodes:** 0 to 7 V

**Resistors:** 0.1  $\Omega$  to 100 k $\Omega$   $\pm$ 3%  $\pm$ 0.1  $\Omega$ , 100 k $\Omega$  to 1 M $\Omega$   $\pm$ 5%

**Capacitors:** 100 pF to 1000  $\mu$ F  $\pm$ 10%

### Max Points Per Net

Unlimited

### Digital Input/Output

Optional with external PLC

### Test Point Interface

64 point (2 row x 32 pins) 0.1" male box header

### User Interface

#### ■ PC Requirements

**Test Station:** 2.0 GHz min. processor speed, Windows 10®, 15 GB hard drive space, 4 GB RAM, 256 MB min. video memory, 1024 x 768 min display resolution, sound (for audible feedback), USB 2.0 or 3.0 port

**Optional Network Database Server:** As above except no sound or USB ports required. Windows 10®, Windows Server 2012® or Windows Server 2016® OS

### Power

115 / 230 V 50/60 Hz

### Size

5.5" x 2.8" x 6.8" (13.8 cm x 7.0 cm x 17.3 cm)

### Weight

2.7 lbs (1.3 kg)