

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

Signature® Touch 1™

Up to 2000VDC
1000VAC



CIRRIS' QUALITY SYSTEM IS CERTIFIED ISO 9001

Hipot Cable/Harness Testing with Graphical Touch Screen Control

The Signature® Touch 1™ cable and harness tester combines the power of an integrated Pentium-class PC with a large, graphical touch-screen display into the most advanced bench-top cable tester ever.

Fast, Easy to Use: With its lightning-fast built in PC and touch-screen display, the Touch 1 guides the operator through every step with easy-to-follow instructions. Whether testing simple point-to-point cables or complex harnesses with built-in components, the Touch 1 makes the job easy. A built-in help system provides immediate answers to user-interface questions on the touch-screen display.

Built for the Factory of the Future: The Touch 1 is truly the tester of the future for today's forward-thinking cable assembly manufacturer. It not only tests your cables, it provides SPC data collection, error reporting, networking, upload/download of test files, onboard editing of wire lists, test point labeling, custom reporting, and more.

Durable, Reliable: Cirris' reputation as the industry leader in low-cost, reliable cable/harness testers is well-known worldwide. Like all Cirris products, the Touch 1 is built for a high-volume production environment and is backed by our one-year warranty, 30-day right-of-return guarantee, and overnight loaner program.

Linux Powered

Call Toll-free 1-800-441-9910 • www.cirris.com

CIRRIS®

Cable/Harness Testing Made Easy™

Signature® SERIES

Signature® Touch 1™

Touch 1— Up to 2000VDC - 1000VAC

Built-in PC: The Touch 1 features an integrated Pentium-class PC complete with floppy and hard disk drives and ports for keyboard, monitor, and auxiliary digital I/O. Optional Ethernet ports are available. Two PCI slots are available for system expansion.



Graphical Touch Screen Display: The Touch 1 integrates a touch-screen display with easy-to-use, menu-driven software. Simple-to-follow menus guide the user through set-up functions. From resistance and voltage settings to point labeling and file naming, it's all at your finger tips!

Speed: With its built-in PC and Cirris' high-speed hipot algorithm, the Touch 1 is one of the fastest cable/harness testers available. It is ideal for integrating into high-speed automated assembly lines.

Complete Testing: Check for opens, shorts, miswires, high resistance connections (due to cold solder joints, mis-crimping, etc.), and insulation problems such as leakage, dielectric failures, etc. Also test resistors, diodes, capacitors, switches, twisted pairs, and other custom components.

4-Wire Kelvin Test: When used in the 4-wire mode the Touch 1 nulls out fixture resistance and performs resistance measurements down to .001Ω with up to 1A of current.

By-Wire Resistance and Which End Error Detection: Set resistance to check for correct wire gauge, length, etc. The Touch 1 simplifies rework by identifying at which connector an open or short occurred.

Custom Scripting (optional): Powerful script language allows you to customize testing for virtually any application. Custom components can be embedded to make testing complex assemblies simple.

Networking (optional): An ethernet card can be added allowing you to network multiple Touch 1s together.

SPC Data Collection (optional): The Touch 1 automatically captures summary test results (number of good and bad). With the SPC Link or SPC Made Easy options you can also capture actual measured values, specific error details, operator throughput figures, and more.

Up to 2000VDC - 1000VAC: The Touch 1 can be purchased with up to 2000VDC. AC testing can be added as an option (up to 707VAC or 1000VAC). Insulation resistance can be tested up to 1000MΩ. DWV current settings range from .1mA to 1.5mA.

Expandable to 1024 Points: The Touch 1 can expand to 1024 test points with add-on boxes in 128-point increments.

Displays Actual Insulation Resistance Reading for Hipot Failures: In the event of hipot failures, the Touch 1 displays the actual measured valued (in Megohms) of insulation resistance failures.



The Touch 1 includes an integrated 3.5" floppy disk, hard drive, and ports for keyboard, monitor, serial, parallel, and network communications (optional). Two PCI slots are available for expansion.

Specifications

CAPACITY:
128 to 1024 points in 128-point increments

TEST LEVELS:
Low Voltage Tests: 5 volts @ 6mA max current
High Voltage Tests:
Standard: 50-1000VDC (in 1 volt steps) ±5% (50-707VAC ±5% optional)
Option: 50-2000VDC (in 1 volt steps) ±5% (50-1000VAC ±5% optional)

SENSITIVITY:
Connection Resistance:
.1Ω to 100kΩ ± 1% ± .1Ω also: 500kΩ, 1MΩ, 5MΩ ± 10%

4-wire Resistance:
.001 to 10Ω ± 2% ± .001Ω

High Voltage Insulation Resistance:
5MΩ to 1GΩ ± 10% (optional AC/DC dielectric .1mA to 1.5mA leakage current threshold)

High Voltage Dwell (duration):
10 ms to 120 seconds (optional AC 1-7200 cycles)

CAPACITANCE: 5nF to 100µF ± 10% ± .02nF (relative measurements to 10pF)

COMPONENTS TESTED: Resistors, diodes, capacitors, wires, switches, twisted pairs, and custom components

TEST RATE: Connection Test: 128 points .25 seconds (typical)
Hipot Test: 10ms to 120 seconds dwell per net
High speed hipot test user selectable on/off

MAX CAPACITANCE PER NET: 0.2µF @ 300VDC, 80nF @ 500VDC, 30nF @ 1000VDC, 20nF @ 1500VDC, 15nF @ 2000VDC, 2.5nF @ 1000VAC

HV ENERGY LIMIT: 35mJoules

CONTROLLER: Built-in Pentium-class PC with 1 floppy and 1 hard drive. Serial, parallel, keyboard, monitor, auxiliary digital I/O ports standard. Ethernet port optional

POINT LABELING: User-definable labels of up to 30 characters; also custom file descriptions of up to 30 characters

POWER: 105-135VAC 60Hz or 210-260VAC 50Hz – switchable

SIZE: Main unit: (128 test points) 22"w x 9"h x 6.5"d (56 x 24 x 17 cm)
Add-on box: 6.25"w x 9"h x 6.5"d (16 x 24 x 17 cm)

WEIGHT: Main unit: (128 test points) 25.4 lbs (11.25 kg)
Add-on box: (128 test points) 6 lbs (2.7kg)

DISPLAY: 3 1/2" x 4 1/2" Graphical Touch Screen

WARRANTY: One year parts and labor

Call Toll-free 1-800-441-9910 • www.cirris.com

CIRRIS®
Cable/Harness Testing Made Easy™

Cirris and Signature are registered trademarks of Cirris Systems Corp. Copyright 2003, Cirris Systems Corp.

Cirris Systems Corp. • 1991 Parkway Blvd. Salt Lake City, Utah 84119 • Phone 801-973-4600 • Fax 801-973-4609

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP