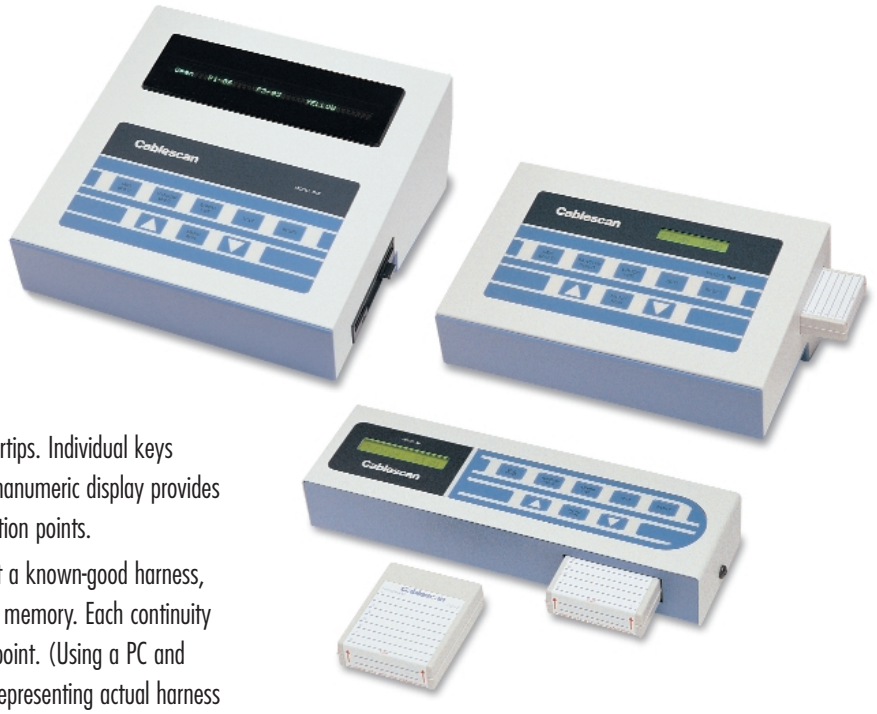
Model 64, Model 64x2, Model 256/PC, Model 512

MICROPROCESSOR-BASED CONTINUITY TESTERS



Our comprehensive line of microprocessor-based continuity testers gives you maximum flexibility in choosing the right solution for your specific needs to maintain quality control and productivity during assembly as well as quality assurance during testing. You can select from four models that vary in test point capacity and program storage yet share all of the following features:

User-friendly front panel controls put the system literally at your fingertips. Individual keys control main modes with other modes and functions menu selected. Alphanumeric display provides test conditions, signature codes, error information, and assembly connection points.

Programming by self-learn saves time and increases accuracy. Connect a known-good harness, press LEARN, and in seconds the complete set of continuities is stored in memory. Each continuity has a FROM point and a TO point, each expressed as a tester interface point. (Using a PC and optional software, you can assign User Labels to tester interface points representing actual harness test points.)

During the LEARN function (Model 64, 64x2, and 256/PC), a signature code is calculated for a specific harness/cable configuration. The code verifies that new LEARNed batches of harnesses/ cables are wired exactly as the original, and it identifies programs stored in memory.

A test program can be saved to internal storage and plug-in EEPROM cartridge (Models 64, 64x2, and 256/PC), or to floppy diskette (Model 512). The diskette can store up to 112 programs. Additional storage is available with a PC and optional software.

In TEST mode, a circuit scan is performed for Opens or Shorts. If an error is detected, the scan stops and the FROM and TO points are displayed with an O for Open or an S for Short.

When LOOP TEST is selected, the same test scan is recycled over and over. As successive scans are run, circuits may be flexed and vibrated to reveal intermittent faults.

Build aid functions take guesswork out of the production cycle. SEQUENTIAL BUILD displays a pre-programmed sequence of FROM and TO points. Touch by fingers or probe locates displayed points, and a tone indicates correct termination. During RANDOM BUILD, wires can be touched randomly, and their termination points are displayed; a tone indicates correct termination.

Test information may be printed by connecting an optional serial printer.

Performance and Value

Our family of microprocessor-based continuity testers offers an outstanding combination of performance and value. With four available system configurations, you can choose the one that best meets your requirements in terms of both test point capacity and memory resources. Plus, each one is packed with features and capabilities designed for accuracy and productivity.

Cablescan
A EUBANKS COMPANY

COMPACT AND VERSATILE SYSTEMS

Models 64, 64x2, and 256/PC

Cablescan Models 64, 64x2, and 256/PC offer easy keypad operation and LCD alphanumeric display for a broad range of testing functions. They provide 64-point, 128-point, and 256-point capability, respectively, plus a serial interface for optional printer or PC connectivity.

Applications

- Wire harness/cable test
- Wire harness/cable build aid
- Flex cable test
- Keyboard test

Features

- 16-character alphanumeric display
- 6-character User Labels for From/To points
- Signature code
- Internal program storage (battery-backed RAM)
- Removable program cartridge
- Printer interface
- PC interface

Model 512

The Cablescan Model 512 also offers easy keypad operation but with an expanded VFD alphanumeric display as well as a built-in floppy diskette drive for an even broader range of testing functions. It has 512 test points and serial interfaces for optional printer and PC connectivity.

Applications

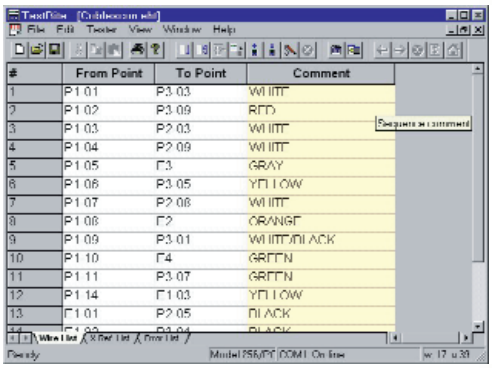
- Wire harness/cable test
- Card cage/backplane test
- Bare printed circuit board test
- Wire harness/cable build aid
- Wire wrapping build aid

Features

- 40-character alphanumeric display
- 8-character User Labels for From/To points
- 12-character Comment field
- Floppy disk storage
- Printer interface
- PC interface

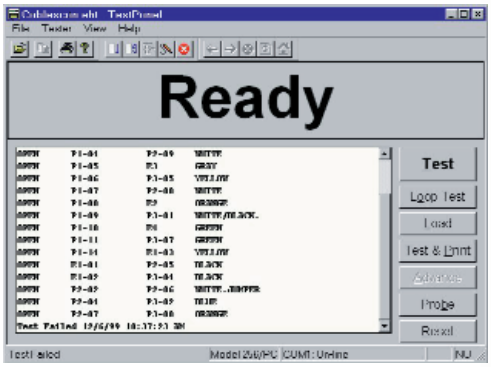
PC SOFTWARE OPTION

Optional TestRite software provides a powerful and intuitive Windows 95/98/NT interface that encompasses two programs:



TestRite (Editor)

Wire list programming can be created, edited, and tested via PC keyboard. Or, with tester connected, a program can be learned from a known-good harness by clicking LEARN command on TestRite toolbar. Wire list can be saved to disk. Or, prior to saving, User Labels can be assigned to test points. Multiple lists can be opened at the same time for copying data between programs. Interactivity and spreadsheet format greatly simplify programming.



TestPanel

Display simulated tester front panel on PC screen and select test programs through a standard Windows interface during production testing. A single mouse click initiates a test, and the results are shown in the display window.

OTHER CABLESCAN TESTERS

TestMate

Also a microprocessor-based tester, TestMate has an interface that can be readily re-configured using Cablescan adapter cards that mate directly with a wide variety of harness connectors. Basic unit accommodates 128 test points with an expansion add-on for a total of 256 test points. Cablescan stocks a library of adapter cards that match a wide variety of connectors.

Series 90 Analyzers

A family of high-speed, PC-based circuit analyzers. In addition to continuity tests, they also measure circuit components such as resistors, capacitors, and diodes. They are expandable from 128 to 131,072 test points and provide graphics-supported build aid. Available in both high- and low-voltage versions.

INTERFACE ACCESSORIES

5210914-03

Tester Interface Cable

An 8-foot, 64-conductor cable with tester interface connector 7200481 on one end and the second end unterminated.

5210917-03

Tester Interface Cable

An 8-foot, 64-conductor cable with tester interface connector 7200481 on one end and male "AMP CHAMP" connector on the second end.

5210982

Harness Board Backwiring Cable

An 8-foot, 64-conductor, discrete-wired cable with female "AMP CHAMP" connector on one end and the second end unterminated (mates with 5210917-03 cable assembly).

MICROPROCESSOR-BASED CONTINUITY TESTER SPECIFICATIONS

PARAMETER	MODEL 64	MODEL 64x2	MODEL 256/PC	MODEL 512
CAPACITY	64 Points, 64 points per connector	128 Points, 64 points per connector	256 Points, 64 points per connector	512 Points, 64 points per connector
OPERATING SPEEDS	Test < 1 sec. Self Test < 5 sec. Self Learn < 1 sec.	Test < 1 sec. Self Test < 5 sec. Self Learn < 1 sec.	Test< 1 sec. Self Test < 5 sec. Self Learn < 1 sec.	All Points Opened < 3 sec. All Points Shorted < 13 sec. Self Test < 12 sec. Self Learn < 4 sec. Load From Floppy < 2 sec.
SENSITIVITY	Short < 100Ω Open > 1.0 kΩ Continuity 100Ω Test Current < 3 mA Body Current < 5µA	Short < 100Ω Open > 1.0 kΩ Continuity 100Ω Test Current < 3 mA Body Current < 5µA	Short < 100Ω Open > 1.0 kΩ Continuity 100Ω Test Current < 3 mA Body Current < 5µA	Short < 100Ω Open > 1.0 kΩ Continuity 100Ω Test Current < 3 mA Body Current < 5µA
TEST VOLTAGE	10 VDC	10 VDC	10 VDC	10 VDC
INTERWIRE CAPACITANCE	.01µf, max	.01µf, max	.01µf, max	.01µf, max
OPERATING TEMPERATURE	32˚F to 105˚F, (0˚C to 40˚C)	32˚F to 105˚F, (0˚C to 40˚C)	32˚F to 105˚F, (0˚C to 40˚C)	32˚F to 105˚F, (0˚C to 40˚C)
STORAGE TEMPERATURE	-40˚F to 165˚F, (-40˚C to 74˚C)	-40˚F to 165˚F, (-40˚C to 74˚C)	-40˚F to 165˚F, (-40˚C to 74˚C)	-40˚F to 165˚F, (-40˚C to 74˚C)
DISPLAY	16-character alphanumeric back-lit LCD: 6 characters each for FROM and TO points	16-character alphanumeric back-lit LCD: 6 characters each for FROM and TO points	16-character alphanumeric back-lit LCD: 6 characters each for FROM and TO points	40-character alphanumeric VFD: 8 characters each for FROM and TO points, plus 12-character Circuit Label/Comment field
PROGRAM STORAGE	*Internal:* Battery-backed RAM containing up to 8 program locations *Removable:* EEPROM containing up to16 program locations	*Internal:* Battery-backed RAM containing up to 8 program locations *Removable:* EEPROM containing up to16 program locations	*Internal:* Battery-backed RAM containing up to 8 program locations *Removable:* EEPROM containing up to16 program locations	Battery-backed RAM containing one program; Floppy Diskette-112 programs
POWER SOURCE	115V~ (100-126V~), or 230V~ (208-252V~) at 50/60 Hz	115V~ (100-126V~), or 230V~ (208-252V~) at 50/60 Hz	115V~ (100-126V~), or 230V~ (208-252V~) at 50/60 Hz	115V~ (100-126V~), or 230V~ (208-252V~) at 50/60 Hz
DIMENSIONS (W x D x H)	11.0 x 3.25 x 2.0 inches (27.9 x 8.2 x 5.0 cm)	11.0 x 3.25 x 2.0 inches (27.9 x 8.2 x 5.0 cm)	11.5 x 7.4 x 5.0 inches (29.2 x 18.8 x 12.7 cm)	11.5 x 13.0 x 5.5 inches (29.2 x 33.0 x 14.0 cm)
WEIGHT	6 Pounds (2.7 kg)	6 Pounds (2.7 kg)	7 Pounds (3.2 kg)	12 Pounds (5.4 kg)

ORDERING INFORMATION

STOCK NO.	ITEM	STOCK NO.	ITEM	STOCK NO.	ITEM
5211048	Model 64	**5210904**	Model 512	**5210917-03**	Tester Interface Cable with "Amp Champ" on second end
5211048-01	Model 64 (220 v~)	**5210943**	Plug-in Program Cartridge	**5210982**	Harness Board Backwiring Cable
5211081	Model 64x2	**5211082**	TestRite Software	**7200481**	64-Pin Tester Interface Connector
5211081-01	Model 64x2 (220 v~)	**5210787**	80-Column Serial Printer		
5211027	Model 256/PC	**52110914-03**	Tester Interface Cable with second end unterminated		

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Cablescan
A EUBANKS COMPANY

950 E. Royal Oaks Drive, Monrovia, CA 91016
Phone: 626-357-9269, Fax: 626-357-9749
Toll free: 800-898-5783
Email sales@cablescan.com