CONTINUITY TESTER WITH QUICK-CHANGE INTERFACE

The TestMate[SM] continuity tester features a universal interface fixture that accommodates adapter cards for quick changes in harness setups. Adapters can be exchanged in seconds to adapt quickly to any of a variety of wire-harness/cable connectors.

Wire list programs are created and assigned signature codes by learning from known-good assemblies. TestMate[SM] memory accommodates 56 test programs without user labels, or 14 programs with user labels. Through control panel keys, programs may be transferred to and from memory, or deleted if no longer needed.

Testing automatically starts when the assembly under test is engaged with the adapter cards. If no fault is detected, a "Pass" is displayed, accompanied by a tone. At a fault, TestMate[SM] will stop and display the connector and pin numbers and type of error - "O" or "S" (Open or Short). Repeated pressing of Test will continue the test.

When used as an assembly aid, TestMate[SM] will identify each wire touched, using body conductance. Identification by touch also provides an easy method of troubleshooting faulty cables, and testing cables with loose (unterminated) ends.

Hardcopies of test results and wire lists are available when an optional printer is connected. With your PC connected, wire lists can be programmed offline — and assigned six-character user labels. Also with the PC, wire lists may be moved to and from TestMate[SM].

A Self Test function instantly verifies correct operation of TestMate[SM].

CONTINUITY TESTER

Cablescan's TestMate[SM] uses Adapter Cards to interface directly with your harness connectors.

FEATURES

- *Universal interface*
- *Adapter cards for connector types*
- *Programmed by self-learn*
- *Multiple program storage*
- *Connector pin ID by touch*
- *Parallel printer and PC interfaces*

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FEATURES

- Self programming by "learning" a "known good" or sample harness from a batch
- Automatic test, and display of error data
- Built-in interface fixture for quick and inexpensive connections of test cable
- Program save and load
- Identification or location of wires through touch, using wrist strap or probe
- Self test of TestMate℠

- Alphanumeric test point labels (user labels)
- Memory for 56 wire list programs (without user labels) or 14 programs (with user labels)
- Printer and PC interface ports

Optional features are:

- Printout of wire list programs
- Printout of errors encountered during test
- Programming and control by PC using Cablescan TestRite℠ software
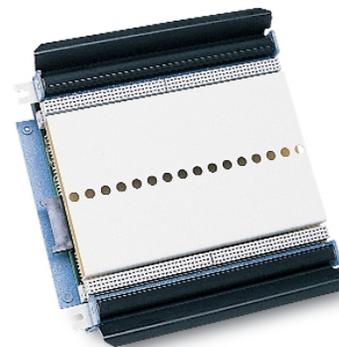
EXPANSION MODULE
. . . .
Adds 128 test points to TestMate℠.

SPECIFICATIONS

TEST POINT CAPACITY

128 test points, expandable to 256 test points

OPERATING SPEED

Test: < 0.5 sec.; Self Test: < 2 sec.;
Learn: < 0.5 sec.

TEST PARAMETERS

Short Threshold:	< 100 Ohms
Open Threshold:	> 1000 Ohms
Continuity Threshold:	< 100 Ohms
Test Current:	< 3 ma
Body Current:	< 5 μa

TEST VOLTAGE

10 vdc, max.

INTERWIRE CAPACITANCE

.01 μf, max.

DISPLAY

16-character Alphanumeric LCD

PROGRAM STORAGE

Battery-backed CMOS RAM accommodating 56 programs without User Labels, or 14 programs with User Labels

BATTERY LIFE

5 years

POWER REQUIREMENTS

104 to 126 V~, 50/60 Hz or

208 to 252 V~, 50/60 Hz (Power Pack change)

TEMPERATURE

Operating: 32° to 105 °F (0° to 40 °C)

Storage: -40° to 165 °F (-40° to 74 °C)

DIMENSIONS

11.5 x 6.75 x 2.5 in. (29.2 x 17.1 x 6.3 cm)

18.0 x 6.75 x 2.5 in. (45.7 x 17.1 x 6.3 cm) with expansion unit

WEIGHT

5.0 lbs. (2.3 kg) or

7.0 lbs. (3.2 kg) with expansion unit

INTERFACE PORTS
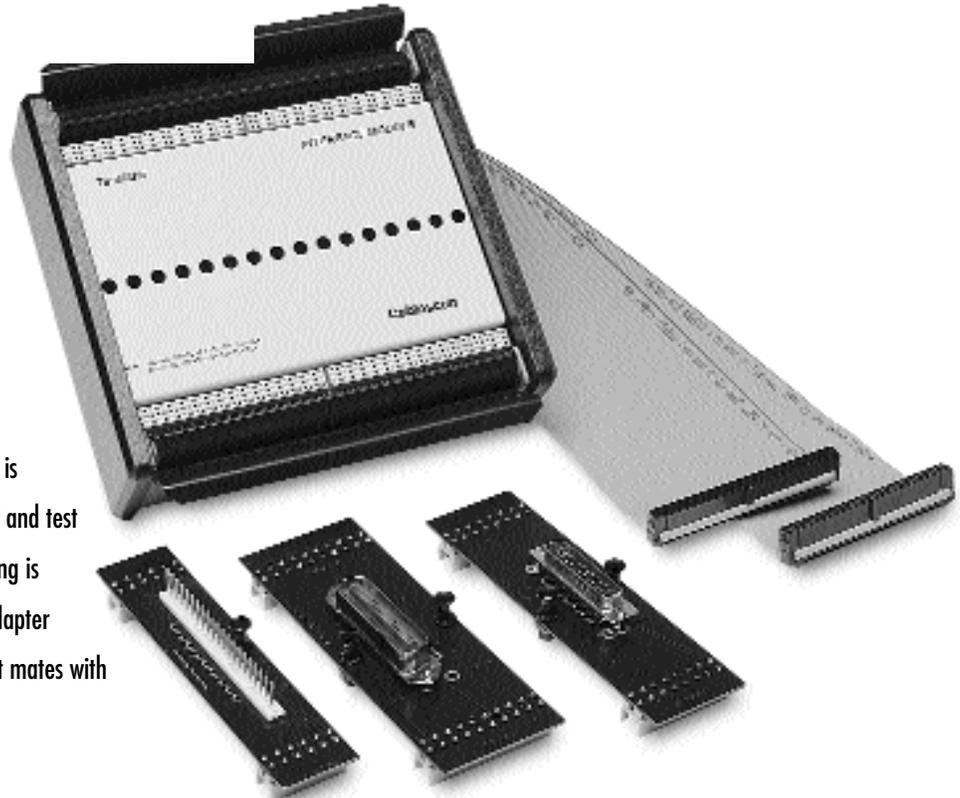
Printer: Parallel

PC: Serial

ORDERING INFORMATION

Part Number	Description
5211089	TestMate℠ (128 points)
5211090	TestMate℠ Expansion Unit
5211091	TestMate℠ (256 points)
5211082	TestRite℠ Software
5210996	Parallel Printer

www.cablescan.com

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Email: sales@cablescan.com

Cablescan makes product improvements as required and therefore all specifications and system configurations are subject to change without notice.

CS8019-2/99/2.5M

INTERFACE MODULE AND ADAPTER CARDS

The Cablescan TestMate^SM Interface Module is the low-cost solution to your wire harness build and test fixturing applications. Expensive custom fixturing is eliminated by use of simple interchangeable Adapter Cards and a continuous connector interface that mates with any Cablescan tester.

TestMate^SM Interface Module

The Interface Module connects to your Cablescan test system through 64-conductor flat cables to provide an interface of 128 test points. It provides a permanent interface with your tester, and a changeable interface with Adapter Cards. The Interface Module provides durable and reliable connections and quick test setups. A continuous connector surface allows end stacking of various-size Adapter Cards along its length. Additional Interface Modules may be used for accommodating larger testers and more harness connectors.

The number of pins in each mating connector determines the width of its Adapter Card, thereby maximizing the use of space along the length of the interface connector. This allows more harness connectors to be interfaced using fewer tester points.

TestMate^SM Adapter Cards

Cablescan currently offers Adapter Cards to mate to most common cable/harness connectors. Blank universal cards are available for mounting other connector types. Reconfiguration for different harnesses is achieved simply by changing Adapter Cards.

FEATURES

- Quick hookup and disconnect
- Ready changeover between harness part numbers
- Makes low-volume runs cost-effective
- Interfaces to most harness configurations
- Library of Adapter Cards available
- Saves wear-and-tear on tester interface

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ADAPTER CARDS

Note: Male/Female designation refers to adapter card connector.

Single Row Headers

Part Number	Size
5220821	21-pin (.156, .100, .050) w/o connector
5220821-2	21-pin, with .156 header
5220821-3	21-pin, with .100 header

Single Row Metric Header

Part Number	Size
5220921	21-pin (1mm, 2mm, 2.5mm) w/o connector

Ribbon Connector, .085" Centers

Part Number	Size
5220614-1	14-pin female
5220614-2	14-pin male
5220624-1	24-pin female
5220624-2	24-pin male
5220636-1	36-pin female
5220636-2	36-pin male
5220650-1	50-pin female
5220650-2	50-pin male
5220664-1	64-pin female
5220664-2	64-pin male
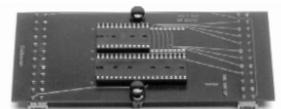
DIP Connectors

Part Number	Size
5221216-1	14 & 16-pin
5221240-1	24 & 40-pin

Eurocard Connectors

Part Number	Size
5220496-2	96-pin male
5220464-2	64-pin male (a & c)

Modular Phone Jacks

Part Number	Size
5220716	4, 6, & 8-pin

Dual Row Metric Header (1MM, 2MM, 2.5MM)

Part Number	Size
5221320	20-pin (w/o connector)
5221344	44-pin (w/o connector)
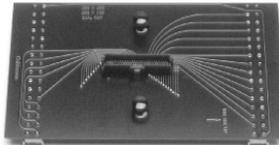
Dual Row Header .50 X .100

Part Number	Size
5222010-2	10-pin male
5222020-2	20-pin male
5222030-2	30-pin male
5222040-2	40-pin male
5222050-2	50-pin male
5222060-2	60-pin male
5222080-2	80-pin male
5222100-2	100-pin male
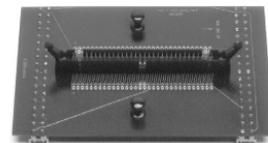
.1" Dual Row Pin Headers

Part Number	Size
5220510-2	10-pin male
5220516-2	16-pin male
5220520-2	20-pin male
5220526-2	26-pin male
5220534-2	34-pin male
5220540-2	40-pin male
5220550-2	50-pin male
5220560-2	60-pin male
5220564-2	64-pin male

V.35 Rectangular Rack & Panel Connector

Part Number	Size
5221434-1	34-pin female
5221434-2	34-pin male

TestMate℠ Interface Module

Part Number	Description
5211095	Interface module
5211097	Add on module

Specifications

Capacity	128 points per module
Dimension	7.25 x 6.75 x 2.5 inches (18.4 x 17.1 x 6.3 cm)
Weight	3 lbs. (1.4 kg)
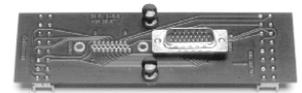
Micro "D" Connectors

Part Number	Size
5220315-1	15-pin female
5220315-2	15-pin male
5220326-1	26-pin female
5220326-2	26-pin male
5220344-1	44-pin female
5220344-2	44-pin male
5220362-1	62-pin female
5220362-2	62-pin male

"D"-Subminiature Connectors

Part Number	Size
5220209-1	9-pin female
5220209-2	9-pin male
5220215-1	15-pin female
5220215-2	15-pin male
5220225-1	25-pin female
5220225-2	25-pin male
5220237-1	37-pin female
5220237-2	37-pin male
5220250-1	50-pin female
5220250-2	50-pin male
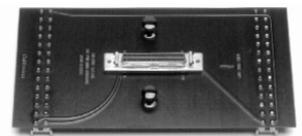
.50" D-Type (SCSI II)

Part Number	Size
5221026-1	26-pin
5221050-1	50-pin
5221068-1	68-pin
5221100-1	100-pin

Universal Cards

Part Number	Size
5220028	28-pin Universal Card
5220060	60-pin Universal Card
5220092	92-pin Universal Card
5220124	124-pin Universal Card

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