

1500 High Voltage Series



Test SCSI-3, LVD, Active Negation
and more...

The Horizon's portability, simplicity and reliability have earned it international recognition throughout the automotive, aerospace, computing, medical, military, telecom and transportation sectors. Horizon wiring analyzers test everything from simple data cables to complex wiring harnesses.

The Horizon SCSI wiring analyzer combines the standard Horizon features with SCSI test capability to enable fast, flexible and reliable SCSI terminator testing. To keep testing simple and quick, a comprehensive range of standard programs is included to fully verify SCSI terminators in less than 10 seconds. The TCL scripting language allows unlimited expansion of the Horizon SCSI terminator test program library.

Features include:

- Fast SCSI Testing - fully test your SCSI terminator in under 10 seconds!
- In-process testing of cable and terminator (including HiPot prior to crimping) within a single test
- Complete trace verification including resistance measurement of trace continuity
- Verify signal voltages and quiescent current
- Verify isolation of reserved pins
- Test all pin configurations (25, 40, 50 and 68 pin) and densities (.100", .050", etc.)

All Horizon wiring analyzers support **SPC**, which enables users to manipulate test data in leading spreadsheet and database applications.

Let CableTest help you **achieve more. Faster.**





Horizon SCSI

[Models]

Horizon SCSI multi-point cable and harness test systems are supplied with a minimum of 128 high-voltage test points and can be configured with the following sources:

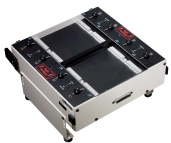
Model	VAC	VDC	HC
SCSI-1	-	1000	1A Programmable
SCSI-2	-	1500	1A Programmable
SCSI-3	-	-	1A Programmable



Digital Probe

[System Configuration]

- The built-in Pentium PC and hard drive provides fast and capable computing power allowing fully independent operation of each Horizon tester
- The following external computing capabilities can be easily added: VGA monitor, printer, keyboard, mouse, network capability and I/O for PLC control
- Supplied with ground probe, instruction manual, AC power pack, calibration certificate and one-year warranty



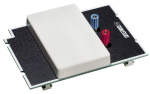
Expansion Box

[Options and Accessories]



Palm Switches

- Full range of product adapters
- Custom adapter kits
- Expansion boxes in 128-point increments with cable lengths of 3', 6', 9' and 15'
- Tools for periodic verification of system calibration
- Palm switches for initiating tests
- 1A/28VDC programmable high-current source
- Ethernet interface card
- Handheld digital probe for remote probing of product under test
- TCL scripting language
- Simplex and Kelvin test adapters



Verification Tool

[SPC and Data Management]

- Text format of test programs and log files permit export, edit and SPC capabilities
- TCL script language for advanced applications (requires TCL scripting option)



HA152 Adapter

[Test Capabilities]

- High Voltage Breakdown (HiPot)
- Insulation Resistance
- Flex test for intermittent failures
- Twisted pair verification
- Resistors, capacitors, diodes, relays, LEDs and switches



HA203 Adapter

[Specifications]

Measurement Speed

- Test a 500 point net in under 1 second
- Auto-start test when product is loaded
- Self-learn known good products

Resistance Ranges and Accuracy

- Two-wire:
 - 0mΩ to 2MΩ at ± 2.5% or ± 20mΩ
 - 2MΩ to 10MΩ at ± 7.0%
 - 10MΩ to 25MΩ at ± 15%
 - 20MΩ to 50MΩ at ± 30%
- Four-wire:
 - 0mΩ to 400Ω at ± 2.5% or ± 10mΩ
 - 400Ω to 2MΩ at ± 2.5% or ± 20mΩ
 - 2MΩ to 10MΩ at ± 7.0%
 - 10MΩ to 25MΩ at ± 15%
 - 25MΩ to 50MΩ at ± 30%

Capacitance Ranges and Accuracy

- 50pF to 1mF at ± 4%
- 50pF to 10,000mF at ± 10%

High Voltage AC

- Output Voltage: 50V to 1067V at 1V resolution
- Frequency: 50Hz/60Hz
- Leakage Current: 5μA to 5mA at 5μA resolution
- Capacitance neutralization
- Arc detection
- Maximum IR: 200 MΩ
- Accuracy: ± 12%

High Voltage DC

- Output Voltage: 50V to 1500V at 1V resolution
- Leakage Current: 1μA to 5mA at 1μA resolution
- Arc detection
- Maximum IR: 1.5 GΩ
- Accuracy: ± 4%

Programmable High Current Source

- Output Current: 1mA to 1A at 1mA resolution
- Output Voltage: 2V to 28V at 0.1V resolution
- Accuracy: ± 2.5%

Fixed High Current Source

- 4-wire Resistance: 1mΩ to 4Ω at 0.1mΩ resolution
- Accuracy: ± 1.5%, + 1mΩ

[Physical Data]

- Power: 110/220VAC, 50/60 Hz, 1A
- Dimensions: 17" L x 9" W x 5" H
- Weight: < 20 pounds (128 point unit)

1. Certain features in this datasheet are optional
 2. CableTest Systems reserves the right to update specifications at any time (see www.CableTest.com for the latest updates)

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