



MODEL

2650

MODULAR WIRING ANALYZER



Flexible Configurations

Flexible configurations DIT-MCO's Model 2650 is our most flexible test system. You can utilize multiple test stations operating from a single controller reducing the total cost of testing. The individual switching modules interlock to allow stacking of the units for mobility and quick setup while maintaining secured positioning. Any switching configuration and test address is possible with the virtual test address control eliminating module or cabinet restrictions. The 2650 switching module supports up to 1500 test points per unit. The 100-point switching boards can be configured to suit your needs so you won't waste test electronics. Test interfaces on the standard unit are typically 150 point ZIF, 50 pin D-sub or EasyMate connectors but can be customized to match existing requirements. Special 500 point switching modules provide small size and weight for use in locations where only a few test points are required.

Easily Distributed Switching

Easily distributed switching in order to provide efficient test operations with large UUTs, moving the tester close to the product under test, is optimal. The distributed configuration eliminates long adapter cables that are costly and difficult to store. The switch modules can be placed randomly where needed, such as a cockpit or wing section, or can be stacked on a trolley for mobility and flexibility. In addition, you may want to mix racked modules with distributed modules. You make the choice that makes sense for your operation. You even have distributed power available in each module for actuating relays during the testing. With four power buses, you can have multiple power supplies active simultaneously.

Faster Hook-Ups

With the Model 2650's optional random hookup feature, you don't have to worry about cable connections to the tester. You simply start hooking up adapter cables in any order. A bar code or embedded ID identifies the cables and their locations. The test system automatically matches the cable hookup and runs your test program, as written without modifications

Simple Maintenance

Maintenance has been simplified so your operators don't have to unhook adapter cables to remove switching cards. With rear access to the switching, faster maintenance and repair means less downtime for your systems.



Operating Conditions

- Relative humidity: 30%-80% (RH non-condensing)
- Indoor applications
- Standard configuration temperatures: 60°F-90°F (15°C-32°C)
- Power
 - 115 VAC / 20A 1ph60Hz±10%
 - 208 VAC / 30A 3ph60Hz±10%
 - 100-110 VAC / 25A 1ph50Hz
 - 220-250 VAC / 15A 1ph50Hz

Switching Units

- Up to 1,500 points of switching in 50 point increments
- Expandable switching: 15,000 points per segment
- Test speed: Up to 3,000 tests per minute
- Discharge Wait circuit prevents switching from actuating with stimulus applied
- Heavy-duty electromechanical dual "Form C" relays
- Standard: w 17.38" (441.45mm) h 11.3" (287.02mm) d 22.25" (565.15mm)
- Mini: w 8.63" (219.20mm) h 11.3" (287.02mm) d 22.25" (565.15mm)

Optional Switching Units

- MBA with up to four buses for component testing
- HVA with up to 2000 VDC / 1500 VAC tests

Standard Instrumentation Standard Measurement Unit

- System accuracy
 - Continuity ±1%
 - Insulation ±3%
- Full programmable
 - Voltage stimulus up to 1500 VDC
 - Current stimulus up to 2A
 - Continuity resistance 0.01Ω to 99KΩ
 - Insulation up to 1000MΩ
- Four-wire resistance measurement from 0.01Ω – 10Ω
- Floating instrument
- Capacitance measurements 10pF – 5000μF
- Simultaneous insulation and hipot testing
- DC dielectric (hipot) currents of 0.5 mA – 2.5mA
- DC voltage measurement
- AC voltage measurement (true RMS)

Additional Instrumentation Option

- AC dielectric detector – 1000VAC

Computer Environment

- Industry standard personal computer with Microsoft® Windows or:
 - Laptop
 - Industrial
 - Customer specified
 - Printer: Inkjet

Standard Software

- TestLink® software includes:
 - TestEdit® - Text editor for test programs and address correspondence
 - TestExecutive® with self-programming and Write Error Program (WEP)
 - Compensated Continuity Resistance (CCR)
 - Syntax Checker (SYNCHK)
 - Diagnostics

Software Options

- TestAssistant®II – Test interface and program builder
- Communications and networking
- APG/WIRESORT
- TestStats® Statistical Database Checksum (CHKSUM)
- Language Translators

Hardware Options

- Continuity probe
- Wireless remote control terminal
- Bar code reader
- External power for relay/component energization or instrumentation support
- Customer specified connector interfaces
- Latching matrix for external energization 10 – 200 points

For More Information

For the name of your representative or more information on:

- technical specifications
- pricing
- services
- other products
- authorized sales and service agents

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