

Model 2135

Portable
Lightweight
Tester



model 2135

Introducing the Model 2135, DIT-MCO's low cost 1000 volt circuit analyzer that provides performance and fault location in a lightweight configuration. Not to be outdone by larger systems, this wiring analyzer has all the power you need for cable harness testing.



The Model 2135 fits anywhere. Compact and portable, it supports up to 300 test points and weighs less than 30 pounds.

Power Coupled with Mobility

At just under 30 pounds (13 kg), you can easily carry this system in the field. Its small size means it will fit into tight quarters such as an aircraft cockpit or a locomotive cab. For remote locations, choose the optional mobile battery unit for up to 4 hours of continuous use.

Configured with up to 300 points of switching, the Model 2135 tests wiring and components for leakage, resistance, voltage, and capacitance at programmable voltages of 0.225 to 1000VDC and 2 amps.

Performance for Maintenance Depots

Maintenance depots use the 2135 to test individual systems. The small size lets you take the tester right up to the product without special, dedicated test stands. The Model 2135 also provides reliable troubleshooting for electrical faults found in the wire harness.



An easy to use text editor allows dual display of UUT names and test programs. TestEdit® can open multiple programs simultaneously for quick and easy data sharing.

Fault Location Lessens Repair Time

While typical error reports simply indicate an error between Point A and Point B, the optional Fault Locator feature gives your technician a clear indication of where along the circuit path an error likely exists. This information, given as a percentage from a particular point helps to shorten the repair cycle by providing useful information to begin troubleshooting.

Lightweight, Expandable and Compatible

Made to take anywhere, even to less than ideal environments, the Model 2135 test system is encased in a lightweight carbon fiber molded case. This rugged design is resistant to impact, moisture and corrosion. The internal electronics are also shock-mounted for additional protection against rough treatment.

If additional test points are needed, the system is expandable with Expansion Switching Units (ESUs). Designed with compatibility in mind, the Model 2135 test programs run under TestExecutive® control software and utilize the same test programs as your other DIT-MCO analyzers. Additional options such as TestAssistant® II can be incorporated to generate test programs as well as track and manage your parts library and adapter cable inventory, making efficient use of your valuable time.



The Model 2135 is expandable to meet your current and future needs. Shown here with optional battery unit for increased mobility.



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Specifications



Master Switching Unit Standard Measurement Unit

- Up to 300 points of switching in 150 point increments
- Expandable switching
- Test speed: Up to 5,000 tests per minute
- Setup Complete ensures proper switching operation during testing
- Discharge Wait circuit prevents switching from actuating with stimulus applied
- Heavy-duty electromechanical dual "Form C" relays
- Size: 7.5d in x 18.75w in x 15.25h in (with lid)
- Weight: <30 lbs (13 kg)

Standard Instrumentation Standard Measurement Unit

- System accuracy
 - Continuity $\pm 1\%$
 - Insulation $\pm 3\%$
- Fully programmable
 - Voltage stimulus up to 1000VDC
 - Current stimulus up to 2A
 - Continuity resistance $0.01\Omega - 99K\Omega$
 - Insulation up to $1000M\Omega$
- Four-wire resistance measurement from $0.01\Omega - 10\Omega$
- Floating comparator
- Capacitance measurements $10pF - 5000\mu F$
- Simultaneous insulation and hipot testing
- DC dielectric (hipot) currents of $0.5\text{ mA} - 2.5\text{ mA}$
- DC voltage measurement

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)
 - Syntax Checker (SYNCHK)
 - Diagnostics

Software Options

- Fault Locator
- TestAssistant® II – Test interface and program builder
- Communications and networking
- APG/Wiresort
- Checksum (CHKSUM)
- Language Translators

Hardware Options

- Mobile battery unit (battery life over 4 hours continuous use of system only)
- Soft-sided carrying case with strap
- Wireless remote control terminal
- Bar code reader

Ideal for:

- Facilities with limited space
- Fabrication
- Field service
- Maintenance facilities/repair depots
- Flight lines
- And more!

For more information

For the name of your representative or more information on:

- Technical specifications
- Pricing
- Services
- Other products
- Authorized sales and service agents

Please contact:

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