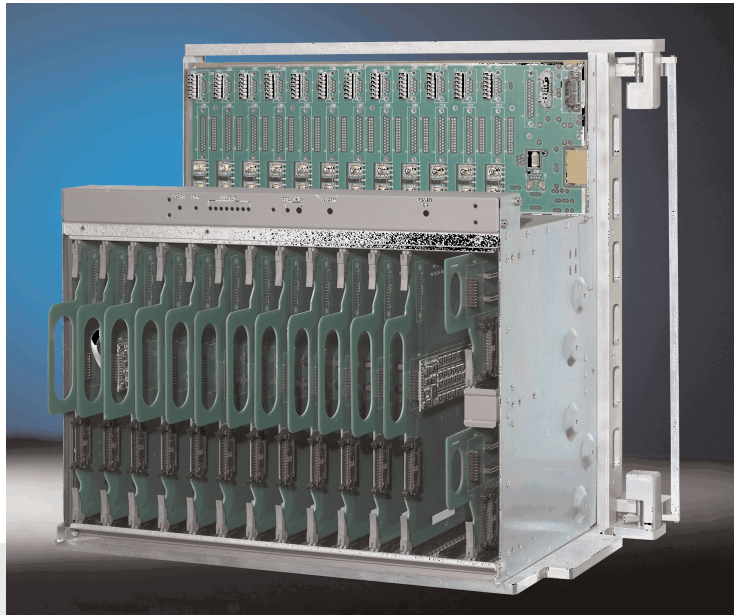


Distributed Backplane Testing



Distributed backplane testing system - up to 3,000 tests per second and 256,000 test-points

The MPT-DMUX distributed backplane tester uses computer controlled, state-of-the-art modular switching architecture to evaluate and test backplanes for telecommunications, military and avionics applications.

With distributed switching mounted on custom designed paddle cards, the MPT Backplane Tester can test backplanes up to and exceeding 256,000 points.

Each distributed switching card contains from 64 to 256 points of electronic switching. Any number of switching cards can "snap" into a custom designed paddle card. This switching system allows low voltage testing of backplanes where interfacing with traditional radial interface cables is either impossible or very cumbersome. The real strength of the system is very high density connections with low power testing.

The MPT-DMUX Backplane Tester provides:

- **Extremely fast test speeds** of up to 3000 continuity scans per second.
- **Mixed high and low voltage** energization for selective HiPot and low voltage testing of power and ground circuits in backplanes.
- Custom designed paddle cards adapt the MPT to the backplane under test.
- Modular switching cards are easily attached to the paddle cards **reducing maintenance costs and time.**
- Components such as resistors, capacitors, transistors and diodes that are resident in the backplane can be tested.

CableTest products have found widespread application in a number of test environments. Let CableTest help you **achieve more. Faster.**



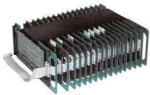
MPT-1000 Configuration



DMUX-068



DMUX-256



Paddle Cards (egg-crate)

[System Configuration]

Standard configuration normally includes:

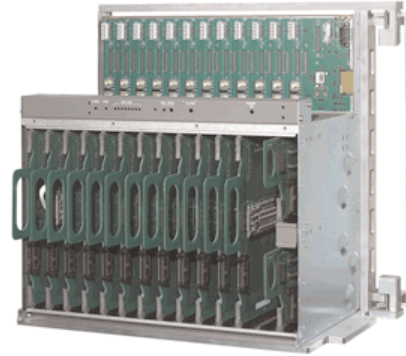
- An MPT wiring analyzer
- Either a DMUX-C (for DMUX-068 switching cards) or a DMUX-C4 controller (for DMUX-256 switching cards)

[Components Tested]

- Resistors
- Capacitors
- Transistors
- Diodes

[Switching Options]

Model	VDC	VAC	I	Points	Connector
DMUX-068	5	-	0.1	68	SIP
DMUX-256	5	-	0.01	256	SIP

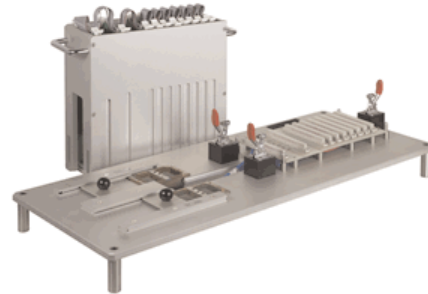


[DMUX-068 Measurement Capability]

Resistance/Continuity Measurement		
Parameter	Range	Resolution
Simplex (2-wire)	1 Ohm to 1 Kohm	± 2% ± 0.1 Ohm
	1 Kohm to 400 Kohm	± 3% ± 10 Ohm
	400 Kohm to 2 Mohm	± 5% ± 100 Ohm
Kelvin (4-wire)	0.01 Ohm minimum	± 1% ± 0.01 Ohm
Capacitance	100 pF to 1000uF	± 2% ± 100pF

[DMUX-256 Measurement Capability]

Resistance/Continuity Measurement		
Parameter	Range	Resolution
Simplex (2-wire)	1 Ohm to 40 Ohm	± 2% ± 0.1 Ohm
	40 Ohm to 10 Kohm	± 2% ± 10 Ohm
	10 Kohm to 10 Kohm	2%
	100 Kohm to 1 Mohm	2%
Kelvin (4-wire)	1 Mohm to 10 Mohm	10%
	0.01 Ohm to 4 Kohm	± 1% ± 0.01 Ohm
Capacitance	100 pF to 1000uF	± 2% ± 100pF



[Specifications]

- Each DMUX-C controller supports up to 120 DMUX-068 switching cards
- Each DMUX-C4 controller supports up to 128 DMUX-256 switching cards
- Paddle cards are daisy-chained to the DMUX controllers using a 25-pin cable
- Multiple DMUX-C and DMUX-C4 controllers are supported on any MPT-based wiring analyzer

[Physical Data]

- DMUX-68: 1.6" x 7.4"
- DMUX-256: 1.75" x 7.9"

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)

Distributed by:

