

The MiNT Systems' Synasys™ MS7800 Automatic Open/Short Tester is a full-featured multi-channel device continuity test system, which can scan sixty-four (64) pins up to one hundred ninety-two (192) device pins with three (3) standard Open/Short Test (OST) modules. It is also capable of testing high pin count devices of more than 1,000 pins with its optional expansion modules. For optimum visual efficiency, the MS7800 offers millions of color possibilities through its color LCD display. Additionally, the front panel knobs of the MS7800 provide users with a real time feel for the device programming and test controls.

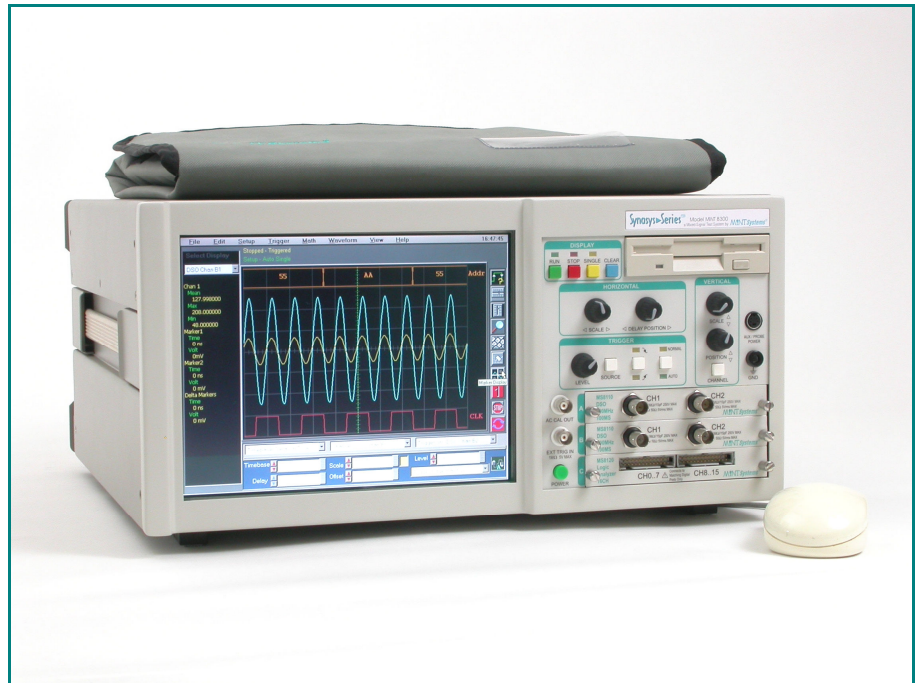
The Automatic Open/Short Tester (MS7800) is based on the MiNT Systems' Synasys™, a flexible test and measurement platform, featuring multiple modular plug-ins that facilitate signal measurement, analysis, and test functions. Up to three (3) modules, plus an additional twelve (12) expansion modules, may be installed to perform multi-channel testing.

The included PC Windows-based software allows the user to create, edit, and store custom test programs used to collect and analyze the testing data. Additionally, the network-ready MiNT7800 is equipped to interface with your factory intranet, providing test results and data analysis to those who need it most. The PC-based controls allow the MiNT7800 to be incorporated into the network in minutes.

Flexible and expandable, the MiNT Systems Synasys™ Model MiNT7800 is a standalone continuity ATE test system to accommodate open/short testing from low pin count to high pin count devices.

Features:

- High pin test rate
- Advanced precision test system in a benchtop portable package
- Support open, short, resistance and leakage tests
- Curve tracing instrumentation
- Flexible pin number configuration
- Field expandable from 64 pins to thousands of pins
- Programmable source and sink test current
- Programmable open and short test limits
- Learn mode for automatic new device test program generation
- Windows based GUI programming
- PC based Windows controls
- Selection of other Plug and Play test modules
- On system color display



Synasys™ MS7800 Automatic Open/Short Tester, with its flexible multi-channel testing capability, simplifies engineering tasks ranging from R&D and production to field service.

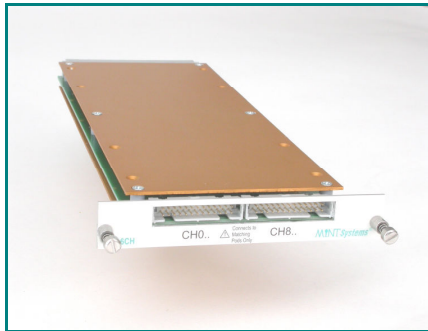
Specifications¹:

Synasys™
MS7800

Automatic Open/Short Tester

General

System Configuration:	Up to 3 64-pin MS6064 OST modules
Instrument Module Slots:	3
Standard Interface:	RS232, LAN, USB
Power Requirement:	115/230V, ±15%, 50Hz/60Hz, 600 VA
Dimensions:	16.7"(425mm)W x 8"(203mm)H x 16"(406mm)D
Weight:	26lb (12kg)
Humidity:	20% to 80% RH, non-condensing
Operating Temperature:	10°C to 27°C



The Synasys™ MS7800's continuity test module is characterized by its modularity, speed, high accuracy, easy of installation, and future expandability.

Programmable Device Power Supply

Number:	1 per module
Voltage Range:	0 to 5V
Accuracy:	± 25mV
Resolution:	1.5mV
Current Measurement:	0 to 100mA
Resolution:	100µA

Open/Short Test Control

Open/Short Test Current Ranges:	3 programmable ranges, ±10µA, ±100µA, and ±1mA
Test Current Resolution:	12 Bits
Test Voltage Limits:	0 to ±3V, programmable
Open Test Voltage Range:	0 to ±3V, programmable
Short Test Voltage Range:	0 to ±3V, programmable
Device Pin Definitions:	V, GND, H, L, and X

Leakage Test Control

Leakage Test Voltage:	0 to 5V, programmable
Test Voltage Resolution:	12 Bits
Leakage Current Test Range:	3 ranges ±10µA, ±100µA, and ±1mA
Test Current Resolution:	12 Bits

Resistance Test Control

Resistance Test:	3 ranges ±100µA, ±1mA, and ±10mA
Test Current Resolution:	12 Bits

Curve Tracing Control

Curve Tracing:	4 ranges ±10µA, ±100µA, ±1mA, and ±10mA
Test Current Resolution:	12 Bits

Options

OST Module:	MS6064, OST
GPIO interface:	MS7801, GPIO
Parallel Handler Interface:	MS7802, PHIF

Ordering Information

MS7800-64	64 channels
MS7800-128	128 channels
MS7800-192	192 channels
MS7800-x	For the pin count greater than 192, an expansion chassis MS7820 is required. User specifies a total channel number (x) in multiples of 64 channels

MINT Systems®

MINT SYSTEMS CORPORATION

266 E Gish Road
San Jose, CA 95112-4706
USA
408-573-8885
www.mintsystems.com

Representative:

¹ Preliminary specifications subject to change.