



## M600 Mini-OTDR

The M600 is a full-featured mini-OTDR designed to accept both multimode (850/1300nm) and single-mode (1310/1550nm) modules for testing flexibility. Modules are user installable. All M600 models include: a 7.7-inch color LCD display, CompactFlash™ drive and memory card capable of storing up to 1,500 traces, 3.5-inch floppy disk drive, full-sized keyboard, and soft carry case. Pulse width and range can be set automatically for maximum ease-of-use, or manually for maximum flexibility.

The Trace600 batch-printing feature is an efficient way to generate hard copy documentation for certification. Each saved trace is identified using an eight character file name and an optional 30 character cable identifier. To speed up the fiber identification process, the M600 can automatically increment and include a fiber number in each file name. Text may be entered by using the supplied keyboard or by selecting the appropriate letters and numbers from a menu on the M600 display.

The M600 OTDR may be equipped with a Visible Fault Identifier (VFI) module. The VFI module is a 650 nm visible red laser source designed to fault-locate and trace optic cables.

### Features

- Available multimode (850/1300 nm), single-mode (1310/1550 nm), or four-wavelength configurations
- Automatic or manual set up
- Real-time testing
- Large, backlit, color display
- Keyboard with full-sized keys for fast text entry
- Trace storage:  
CompactFlash™ card (> 1500 traces), 3.5" diskettes (50 traces), and internal memory (> 350 traces)
- Trace600 Software for Windows®
- Available Fiber Boxes (launch and receive cables)
- Available M600-VFI module

### Ordering Information

M600 Mini-OTDR test kits include an M600 OTDR, with specified modules, plus Trace600 PC software, keyboard, carry case, removable lead-acid battery, and universal AC adapter. The M600 may be ordered with 850/1300 nm multimode, 1310/1550 nm single-mode, or both modules. Please specify connector type at the end of model number (e.g. M600-K-MM1-ST). In M600 "QUAD" models specify multimode connector (xx) first then single-mode connector (yy) (e.g. M600-K-QUAD-ST-FC).

Model	Description
M600-K-MM1-xx	M600 OTDR test kit with 850/1300nm multimode module
M600-K-SM1-yy	M600 OTDR test kit with 1310/1550nm single-mode module
M600-K-QUAD-xx-yy	M600 OTDR test kit with two modules: 850/1300nm multimode and 1310/1550nm single-mode
M600-VFI	M600 OTDR test kit with 650nm Visible Fault Identifier, Class II Laser
4050-00-0109	Spare AC Adapter (specify cord type)
3900-02-0100	Spare Battery

Available connectors: multimode (xx) = SC or ST; single-mode (yy) = SC, FC, or ST

*continued on the next page*



## M600 Mini-OTDR

### Specifications

#### Optical Specifications

Model	M600-MM1	M600-SM1
Center Wavelengths	850 /1300 (nm)	1310/1550 (nm)
Testing Applications	Multimode	Single-mode
Dynamic Range	21 / 23 dB	26 / 26 dB
Emitter Type	Laser	
Emitter Classification	Class I (FDA 21 CFR 1040.10 & 1040.11)	
Display Resolution	0.1 m	
Event Dead Zone	< 5 m	
Attenuation Dead Zone	< 15 m	
Index of Refraction	1.400 - 1.699	

#### M600-VFI Specifications

Model	M600-vFI
Center Wavelengths	650 nm
Output	< 0 dBm (1 mW)
Emitter Type	Laser
Emitter Classification	FDA 21 CFR 1040.10 & 1040.11 CLASS II, IEC 825-1: 1993 CLASS II, EN60825-1: 1994 CLASS II
Transmission Mode	CW or 2 Hz, 50% Duty Cycle
Output Fiber	9/125 $\mu$ m, single-mode
Optical Connector	Universal Adapter (2.5 mm)

#### General Specifications

Display	High resolution color, 7.4 ", adjustable contrast
Distance Display Units	m, km, ft, mi
Power	Lead acid rechargeable battery or AC
File Transfer to PC	3.5 in. floppy disk, CompactFlash™ reader (USB)
Trace Storage	> 1500 CompactFlash™ ; > 350 internal; 50 per floppy disk
Operating Temp.	0° to + 40° C
Storage Temp.	-10° to + 60° C
Relative Humidity	0 to 95% non-condensing
Weight in Use	<10 lb (<4.5 kg)
Size (H x W x D)	10.5 x 10.75 x 4.5 in. ( 26.6 x 27.3 x 11.4 cm)

