



Turbotest 500B Optical Loss/Return Loss Test Sets

The TURBOTEST 500B Series offers the latest technology in a single fiber bi-directional loss and return loss testing. The T500B is a handheld fiber optic test and measurement instrument. It performs Optical Power, Optical Return Loss, and Optical Loss measurements. Four compact models are available, including the three wavelength (1310/1550/1625) T506B. An optional dedicated digital talk option is available for full time/full duplex communication between test operators while testing other fibers in a bundle.

The T500B can store up to 1000 records (40 files) in any combination of its four operating modes and if any configuration other than TRIPLE wavelength is selected. If the configuration is TRIPLE wavelength, the T500B can store up to 500 records (40 files). Stored test results can be transferred to a PC for a complete report generation.

Powered by an internal rechargeable Lithium-Ion battery, the T500B comes with protective rubber boots, PC software and manual, AC adapter/charger, RS-232 serial cable, APC/UPC reference cable, adapter cap, mandrel, screwdriver, hex screwdriver, warranty registration card, user's guide, and carry case.

specifications

Model	T503B	T504B	T505B	T506B
Center Wavelengths (nm)	1310, 1550	1310, 1550	1550, 1625	1310, 1550, 1625
Emitter Type	Laser	Laser	Laser	Laser
Output Power (dBm)	-10/-10	-10/-10	-10/-10	-10/-10/-5
Safety Class	FDA 21 CFR 1040.10 and 1040.11, and IEC 60825-1 amended Q2, 2001			
Detector Type	InGaAs	InGaAs	InGaAs	InGaAs
Insertion Loss Measurement Range	40	40	40	40
Optical Power Measurement Range (dBm)	+6 to -60	+26 to -40	+26 to -40	+26 to -40
Optical Power Measurement Units	dB, dBm, μ W	dB, dBm, μ W	dB, dBm, μ W	dB, dBm, μ W
ORL DynamicRange (dB)	65	65	65	65
Available Connector Types	ASC or AFC	ASC or AFC	ASC or AFC	ASC or AFC
Power	Lithium-Ion or AC Adapter	Lithium-Ion or AC Adapter	Lithium-Ion or AC Adapter	Lithium-Ion or AC Adapter

notes

Add -T for 40 dB 1310 nm Talk Set Option.

Add -Y for 40 dB 1550 nm Talk Set Option.

Example: T506B-Y is 1310/1550/1625 Turbo with 1550nm Talk Set Option.

