

# 1500 Series Loss Test Set

## Features:

- Automated loss measurements for three wavelengths
- Auto wavelength switching
- Single port laser source with up to three wavelengths
- Power Meter with 80+ dB Dynamic Range
- Storage for 2000 triple wavelength loss measurements
- Rechargeable Li polymer 9V battery
- USB interface
- Free Windows® compatible report software
- Universal Power Meter and Light Source adapters FC/ST and SC



The LTS-1500 is a small, rugged automated fiber optic loss test set that characterizes singlemode and multi mode fiber links at wavelengths of 850, 1300, 1310, 1490 and 1550 nm. The power meter uses a sensitive InGaAs detector that is calibrated at six wavelengths with an 80+ dB dynamic range. The Light source is a single port system with up to three wavelengths.

In the Autotest mode, the master unit changes wavelengths at a fixed rate and informs the slave unit of the wavelength currently being measured. Storing the loss measurement saves the loss at each wavelength. Up to 2000 triple wavelength measurements may be stored and recalled via the unit's USB port or from the front panel. Windows® compatible PC application software is provided for downloading stored data, organizing the information and report generation.

These auto test loss test sets are also compatible with the LTS functions of the FTE7000 and FTE7500 OTDRs.

The units can perform fiber identification functions with modulation frequencies of 270, 1000 and 2000 Hz.

Power is obtained from a rechargeable lithium polymer battery that provides more than 15 hours of continuous operation, its universal power supply, or in a pinch, any common 9V alkaline battery.

Standard accessories include a protective rubber boot and stand, USB cable, adaptors for FC, ST or SC connectors for both power meter and light source ports, universal power supply/charger, CD containing application software and an operating instruction booklet.



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## LTS-1500 Loss Test Set Specifications

Power Meter Detector Type	InGaAs
Measurement Range	+5 dBm to - 77 dBm (CATV +25 dBm to -57dBm)
Calibrated Wavelengths	850, 1300, 1310, 1490, 1550, 1625 nm
Units of Measurement	dBm, dB,
Resolution	0.01dB
Autotest Range	0 to - 36 dB
Battery/Operating Time	Rechargeable Li Polymer/Approximately twenty hours following a full charge
Laser Output Power	0 dBm, 1 mw
Output Stability	± .05 dB / 24 hrs @ constant temp., ± .02 dB/C temperature coefficient
Laser Wavelengths Provided	850nm, 1300nm, 1310 nm ± 20 nm, 1490 ± 20 nm, 1550 ± 20 nm
Spectral Width	< 3nm typ.
Modulation Modes	CW, 270 Hz, 1000 Hz, 2000 Hz
Laser Safety Classification.	Class I safety per FDA/CDRH and IEC-825-1 regulation
Storage Locations	2000
Data Port	USB
Battery	Rechargeable Li Polymer
Operating Time	Approximately fifteen hours following a full charge
Power Supply / Charger	Universal, US, UK. Continental Europe, and Australian Plugs Included
Power Requirements	95-260 VAC, 50-60 Hz, 3 VA Max
Operating Temperature Range	-10 to 40 C
Storage Temperature Range	Equipment -10 to 60C, Battery 0-40C
Dimensions (with rubber boot )	5.9" L x 3.9" W x 1.37" H (150mm L x 100mm W x 35mm H)
Weight	0.52 Kg
Accessories Provided	FC, ST, SC adaptors, rubber boot, battery, power supply/Charger, manual. (USB Cable. PC application. Software)

*TTI reserves the right to change specifications without notice*

## Ordering Information

LTS-1500-813	Loss Test Set with 850/1300nm Multimode Light Source
LTS-1500-35	Loss Test Set with 1310/1550nm Singlemode Light Source
LTS-1500-345	Loss Test Set with 1310/1490/1550nm Singlemode Light Source

For CATV power meter specifications, add "-C" to the end of the part number.



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