

The HPT-5100

HyPerTest Loss Test Set

Advanced, Dual Wavelength,
Automated, Bi-Directional
Loss Test Set with
Communications Capability

Key Benefits:

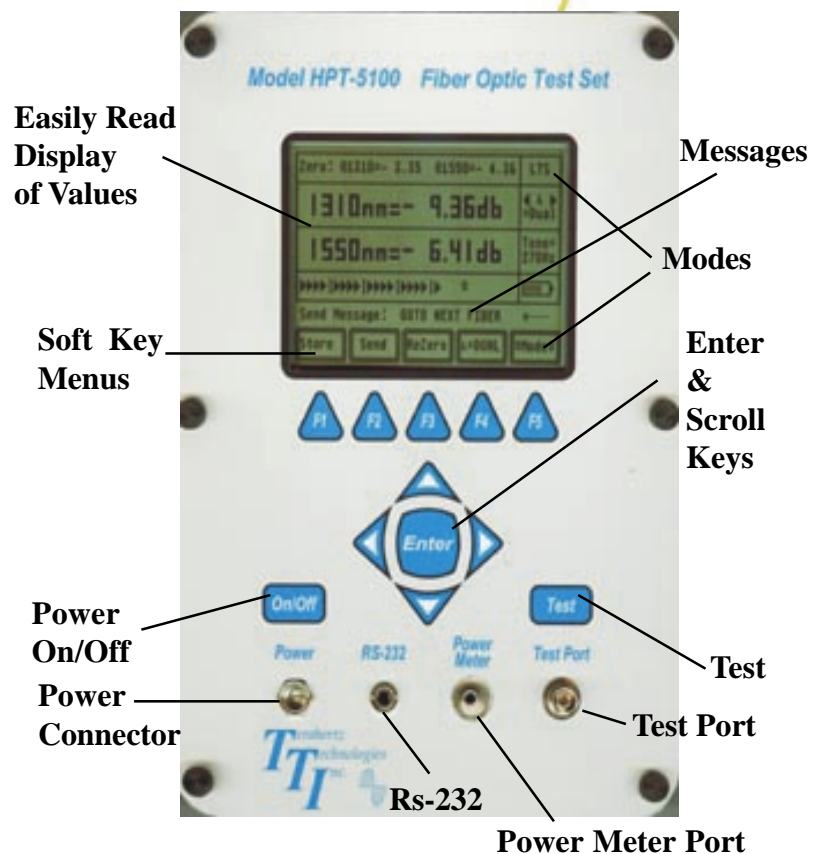
- Display: VGA LCD with backlight
- Range: 50 dB Auto, 70 dB Manual
- ORL (Optical Return Loss): Standard
- Wavelength Switching: Automatic
- Power Meter Range: +5, -75dBm,
- Port: Rs-232 for Printer & PC
- Power: 8 AA NiMH (Rechargeable)
- Rugged, Water Resistant Case

The HPT-5100 represents a significant improvement in technology at a competitive price.

This high performance loss test set has advanced features commonly found in instruments costing far more.

Advanced features include:

- Automated dual wavelength bi-directional capability
- Communications on fiber under test - text messages
- 1/4 VGA screen, backlit, 4 inch diagonal
- PC & printer connection
- Real Time automated testing of loss & ORL
- Storage for 1000 records
- Rechargeable (NiMH) chargeable batteries (16 hour charge life)
- Dual wavelength modulated sources
- Tone detection capability



HPT-5100 HyPerTest Loss Test Set
Advanced, Automated, Dual Wavelength, Bi-Directional
Preliminary Specifications

(subject to change w/o notice)

Insertion Loss

Calibrated Wavelengths(nm)	1310, 1550
Dynamic Range(typical)	50 dB Auto, 70 dB Manual
Output Power(dBm)	-10
Output Stability	+/- 0.1 dB long term
Spectral Width	5 nm

Return Loss

Measurement Range(dB)	0 to - 70
Accuracy	+/- 0.5 dB@55 dB

Power Meter

Detector	InGaAs
Display Range(dBm)	+5, -75; +26, -50 (CATV)
Calibrated Wavelengths(nm)	850,1300,1310,1550,1625
Measurement Range(dBm)	+5, -75; +26,-50 (CATV)
Accuracy(dB)	+/- 0.3
Resolution(dB)	0.01, 0.1 (Selective)
Display Units	dB, dBm

General

Display Type	1/4 VGA LCD, Backlit
Laser Classification	Class 1 Laser Product
Standard Connector Type	FC/APC
Dimensions(H x W x D)	8.7 x 7.45 x 3.89 (inches)
Weight	2 lb, 10 oz (w/batteries)
Operating Temperature	0 to +50C
Storage Temperature	-20 to +60C
Power	8AA rechargeable/AC
Battery Life	16 hours
Port	Rs-232 PC/Printer
Communications	Fiber under Test - Text

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