FTE-5200

Features:

- **Optical Loss/ORL Tester**
- **ORL Measurement Range to -60 dB**
- **-77 dBm PM Dynamic Range**
- **Bidirectional Testing Option**
- **Auto Center/Pass/Fail Video Scope**
  (Probe Sold Separately)
- **Auto Test Up To Three Wavelengths**
- **Auto Wavelength Switching**
- **Universal PM and LS Adapters**
- **Storage for 5,000 Test**
- **Bright Color Display**
- **Rechargeable Li-Poly Battery**
- **USB Interface**
- **Free Report Software**
- **On-Board Help Feature**

Advance Loss Test Set

The FTE-5200 combines four functions for testing optical networks together in one unit. It brings together a -60dB ORL meter (optional), power meter, laser source and Auto Center/Pass/Fail Video Scope. (probe sold separately). The LTS may be purchased as a standard unidirectional or as a fully bidirectional loss test set.

The FTE-5200 is a full featured ORL Loss Test Set. It has a 4" super bright color display with large easy to read characters. It performs optical return loss measurements to -60db at up to three wavelengths and is an automated loss test set with dual or triple wave Light sources. The power meter uses an InGaAs detector which is calibrated at 850,1300, 1310, 1490, 1550 and 1625nm, with a dynamic range to -77dBm (CATV version is available). These units are available in single, dual or triple or quad wavelength configurations and displays and test up to three wavelengths at one time. In the Autotest mode, the master unit changes wavelengths at a fixed rate and informs the slave unit of the wavelength currently being measured. Use this method to test up to three wavelengths at a time and store the loss measurements for each of the lasers fired during the test. Up to 5000 test may be stored and recalled via the unit's USB port. Use TTI's CertSoft PC application software for downloading stored data and generating reports.

The CertSoft software is compatible with all of our fiber optic test equipment. The information from OTDR , TLS, ORL and video scope may be combined to offer a comprehensive report for all of your network testing needs.

The FTE-5200 includes a video scope (probe sold separately). Use the video scope to ensure the integrity and cleanliness of the connectors being tested.

Use the modulation feature to perform fiber identification function. The power meter will identify modulated signals at 270, 1000 and 2000 Hz produced by the integrated light source.

Made In the USA

FTE-5200 Advance Loss Test Set

Power Meter

Power Meter Detector Type	InGaAs
Power Meter Dynamic Range	+5 to -77 dB (CATV +25 to -57 dB)
Auto Test Range	0 to - 36 dB
Calibrated Wavelengths	850, 1300, 1310, 1490, 1550, 1625 nm
Units of Measurement	dBm, dB
Resolution	0.01dB
Power Measurement Uncertainty	± 0.18 dB under reference conditions, ± 0.25 dB from 0 to -65 dBm, ± 0.35 dB from 0 to +5 dBm and from -65 to -77 dBm
Modulation Modes Detected	CW, 270 Hz, 1000 Hz, 2000 Hz

Light Source

Laser Output Power	0 dBm, 1mw
Output Stability	± .05 dB / 24 hrs @ constant temp,, ± .02 dB/C temperature coefficient
Laser Wavelengths Available	850/1300/1310/1490/1550 and 1625nm (± 20 nm)
Transmitted Modulation Modes	CW, 270 Hz, 1000 Hz, 2000 Hz
Laser Safety Classification	Class I safety per FDA/CDRH and IEC-825-1 regulation
Spectral Width	<3nm typ.

Optical Return Loss Meter

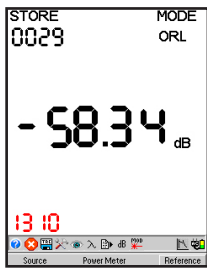|	
Optical Return Loss Dynamic Range	0-60 dB
ORL Wavelengths	1310/1490/1550/1625nm
Optical Return Loss Accuracy	± .05 dB @ a -55db reflection
Resolution	0.01 dB
Spectral Width (RMS)	<5nm
Connector	FC/APC or SC/APC

TTI reserves the right to change specifications without *notice.*

General Specifications

Display	4 in Color Touch Screen
Storage Locations	5000
Battery/Operating Time	Li-Poly / 12 hrs typ.
Power Requirements	Micro USB 5V 1.2A
Operating Temperature Range	-10 to 45 C
Dimensions	6.25" L x 4.125" W x 1.875" H (159mm L x 105mm W x 48mm H)
Weight	1.5 lbs.
Accessories Provided	FC, ST, SC adaptors for both Power Meter and Light Source plus 1.25mm and 2.5mm universal adapters for the Power Meter, rubber boot, 5V, 1.2A micro USB charger with Cable, 2 stylus, PC application software and manual on CD

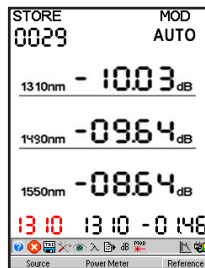*TTI reserves the right to change specifications without notice.*

Ordering Information

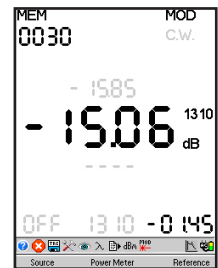|	
FTE-5200-8513	LTS with 850/1300nm Light Source (No ORL Available)
FTE-5200-1315	LTS with 1310/1550nm Light Source
FTE-5200-QUAD	LTS with 850/1300/1310/1550nm Light Source (No ORL Available on 850 and 1300nm)
FTE-5200-8513-BD	Bidirectional LTS with 850/1300nm Light Source (No ORL Available)
FTE-5200-1315-BD	Bidirectional LTS with 1310/1550nm Light Source
FTE-5200-QUAD-BD	Bidirectional LTS with 850/1300/1310/1550nm Light Source (No ORL Available on 850 and 1300nm)
FTE-5200-VP	Video Inspection Option with Probe
FTE-5200-VFL	Visual Fault Locator Option

Add a "C" to the end of the Part number for CATV Versions.

Use the ORL Mode for accurate Optical Return Loss measurements to -60dB

Display up to three wavelengths at a time

Move quickly through saved test while at the same time viewing measurements

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