



shinewaytech MTP-500 PMD Analyser



link to the product: <https://intersell.pl/gb/866-shinewaytech-mtp-500-pmd-analyser.html>

Manufacturer: ShinewayTech

Referention number: MTP-500

Full product description

MTP-500 PMD Analyzer

PMD tool for CDM installation, maintenance and troubleshooting.

MTP-500 Mode Polarization Dispersion Analyzer consists of an independent optical source (PMD Source) and an analyzer module (Receiver). It is used for quick and easy analysis of single-mode fibers. It measures PMD using the recommended ITU-T G.650 method and the rapid scan technique that provides the best resistance to fiber motion. The Windows XP-based platform and easy-to-use analysis software significantly reduce learning time and increase productivity.

Features

recommended method PMD ITU-T G.650:

- Exact total PMD, PMD factor
- Smart Certification: Set the threshold to be automatically judged Correct / Invalid

- Fully supports DWDM 10G / 40G / 100G optical network upgrade test
- the rapid scanning technique allows better resistance to the movement of the fiber during the test.
- compliant with G.650.2, EIA / TIA FOTP-124 & IEC-61941
- high dynamic range for long span tests:
 - 40 dB or 200 km
 - 48 dB high power light source available for 240 km
- the shortest measurement time among products available on the market: 2 sec.
- test through optical amplifiers
- suitable for the infrastructure of overhead networks
- Windows XP with PMD Analyzer software (quick installation and easy operation)
- easy-to-use touchscreen
- professional and comprehensive measurement reports

- internal battery for 5 hours of continuous operation
- solid housing, ideal for outdoor use
- external ports: RG45x1, RS232x1, USBx2, VGAx1
- CE, FCC external certificates

Comprehensive measurement report



Specifications:

Model	MTP 500
Operating system	Windows XP
Display	10.4 "TFT Touchscreen (800x 600)
Link	USBx2; RJ-45 (10/100 Mbit / s) x1; RS232x1; VGAx1
Memory	4G CF card
MTP-500-L PMD source	
Wavelength (mm)	1525-1565
Output power	<20mW
MTP-500-A PMD analyzer	
Dynamic range (dB)	> 40 (optional 48dB)
Measurement method	ITU-T G650
PMD range ⁽¹⁾	0.2 - 35ps
Accuracy of PMD ⁽²⁾	± (0.1ps + 5% PMD)
DGD range ⁽³⁾	0.5 - 90ps (for polarization maintaining fibers)
DGD accuracy ⁽⁴⁾	± (0.1ps + 3% DGD)
Wavelength scan time	<100ms
Time of measurement	2-10s (depending on PMD value)
General technical data	
Working ambient temperature	0 ° C - 40 ° C
Storage temperature	-20 ° C - 60 ° C
Relative humidity	0-90% (non-condensing)
Power	Rechargeable Li-ion battery / AC adapter
Battery life	PMD analyzer up to 5 hours continuous operation, PMD source up to 7 hours continuous work
Weight	PMD analyzer: 3.1 kg, PMD source: 1 kg
Dimensions (height / width / thickness)	PMD analyzer: 320x240x90mm; PMD source : 170x170x55mm

Comments:

1. For SMF standard, with strong coupling, length ≤ 100m
2. For SMF standard, with strong coupling, length? 100m, with single PMD

3. For HiBi, with low feedback.
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* Specifications are subject to change without notice.