Precision Rated Optics

Work with a PRO!

TP-P6

Multifunctional Test Platform

The TP-P6 is a compact, modular platform with up to three (x3) functional modules, specifically designed for FTTx/PON applications. The use of "Plug-and-Play" modules allows the TP-P6 to meet all of the test requirements for installers, contractors and service operators, whether performing network installation, service activation, maintenance or troubleshooting.

Optimized Platform Performance

- 8.4" TFT Touchscreen (800x600)
- Li-Ion Battery w/AC Adaptor
- Optimized Power Management: 7 Hours of Continuous Operation
- Fast Boot-Up and Windows CE Operating System

Designed for Metro, Access & FTTx Networks

- All-in-One: OTDR, VFL, PON Power Meter, Optical Power Meter, Stabilized Light Source, Optical Connector Inspector
- OTDR "Plug-and-Play" Modules
- LAN/WAN/FTTx
- Double/Triple/Quad Wavelengths: SM/MM
- Fault Locating, Fiber Length/Loss Measurement, Connector/Splice/Splitter/Macro-Bend/Fiber-End Detection
- Pass-Through PON Power Meter Simultaneously Measures Triple-Play PON Signals (1310/1490/1550nm)

OTDR Module

- Multiple "Plug-and-Play" Modules Available for Custom Configuration
- LAN/WAN/FTTx Application
- GR-196-CORE (.SOR) File Format
- PON OTDR/Test-Through Splitter

Optical Loss Test Meter

- Simultaneously Measures Triple-Play PON Signals (1310/1490/1550nm)
- Burst Mode (1310nm) Upstream Signal Detection & Measurement

Platform Ordering Information

TP-P6	OTDR
PON2	Built-in OPM for OTDR Module
VIP	Video Inspection Probe
FXXX-P	General Loss Tester Module: PON Power Meter
FXXX-S	General Loss Tester Module: Stabilized Light Source
P1	General Loss Tester Module: Optical Power Meter

OTDR Module Ordering Information

P/N	Wavelength (±20nm)	Dynamic Range (dB)
MFS-21	1310/1550	45/43
MFS-31	1310/1490/1550	38/38/37
MFS-32	310/1550/1625	42/41/40
MFS-33	11310/1550/1650	42/40/39
MFQ-41	850/1300/1310/1550	23/36/38/36
MFS-41	1310/1490/1550/1625	39/38/38/39

MTP-P6

Multifunctional Test Platform

GENERAL SPECIFICATIONS

Memory	2 GB
Physical Dimensions (HxWxD)	320 x 190 x 70mm (Platform Only)
Weight	2.1 g (Platform Only)
Ports	USB (x2); 10/100Mbit/s RJ-45x1
Power Supply	Li-Ion Battery/AC Adaptor
Battery Life	7 Hours of Continuous Operation
Display	8.4" TFT Touchscreen (800x600)

OTDR Module

	Wavelength (±20nm)	Dynamic Range (dB)	EDZ (m)	ADZ (m)
MFS-21	1310/1550	45/43	1	7
MFS-31	1310/1490/1550	38/38/37	1.5	12
MFS-32	310/1550/1625	42/41/40	1.4	9
MFS-33	11310/1550/1650	42/40/39	1	5/5/7
MFQ-41	850/1300/1310/1550	23/36/38/36	1.5	8/10/10
MFS-41	1310/1490/1550/1625	39/38/38/39	1.5	12

Selectable Range	SM: 1.3, 2.5, 5, 10, 20, 40, 80, 160, 240KmMM: 1.3, 2.5, 5, 10, 20, 40Km
Pulse Width	SM: 5ns, 10ns, 30ns, 100ns, 300ns, 1*μs*, 2.5*μs*, 10*μs*, 20*μs* MM: 5ns, 10ns, 30ns, 1*μs*, 2.5*μs*
Visual Light Source	Output Power: ≥ -3dBm; MOD Frequency: 1 Hz; Detection Range: 5Km

Built-in OPM for OTDR Module (P/N: MPON2)

CAL Wavelengths	850, 1300, 1310, 1490, 1550, 1625, 1650nm
Power Range (dBm)	-70 ~ +10 (-60 ~ +10@850nm)

Optical Connector Inspector Module (P/N: MVIP)

Field of View	400*μm x 300μm*
Resolution	≤ 1.5*μm*
Focusing	Manual Focus
Hand-Probe Dimensions	32mm x 175mm

General Loss Tester Module: PON Power Meter (P/N: MFXXX-P)

CAL Wavelengths	1310	1490	1550
Measurement Range	-40 ~ +10dBm	-40 ~ +10dBm	-40 ~ +10dBm
Spectral Passband	1310±50nm	1490±15nm	1550±10nm
Power Accuracy	≤ 0.5dB		
Display Resolution	0.01 dB		
Insertion Loss	≤ 1.5 dB		

General Loss Tester Module: Stabilized Light Source (P/N: MFXXX-S)

Wavelengths	1310, 1490, 1550, 1625nm (±20nm)
Emitter Types	FP-LD@1310, 1490, 1550nm; DFB-LD@1625nm
Output Mode	CW, 270Hz, 1KHZ, 2KHz
Spectrum Width	≤ 5nm
Output Power	≥ -3dBm
Power Stability	± 0.05dB/15min; ±0.10dB/8hr
Connectors	FC/PC (Interchangeable SC, ST)

General Loss Tester Module: Optical Power Meter (P/N: MP1)

CAL Wavelength	850, 1300, 1310, 1490, 1550, 1625, 1650nm	
Power Range (dBm)	-70 ~ +10 (-60 ~ +10 @ 850nm)	-50 ~ +27
Accuracy	± 5% ±0.01nW (±0.5dB@850nm)	± 5% ±1nW (±0.5dB@850nm)
Detector Type	InGaAs	
MOD Identification	270, 1K, 2K Hz	
Resolution	0.01dB	
Connectors	FC (Interchangeable SC, ST)	