FPP-40

FibreOptica PON Power Meter

FPP-40 is a new flagship of FibreOptica's optical fiber test instrument family. It is specifically designed to meet the rapid growth of FTTx market with PON (Passive Optical Network) technologies. It is capable to measure all three signals (1310nm, 1490nm and 1550nm) that carry voice, data and video, so-called triple-play applications along a single fiber. It can also detect and measure the upstream burst at 1310nm sent from an ONU while the ONU is in the idle mode. Therefore, FPP-40 is the ideal tool for PON installation/acceptance test to ensure that they meet required standards, and service activation and troubleshooting.

Key Features

- Cost efficient palm size tester designed for field and lab testing
- Easy-to-use interface with large color TFT display for easy visibility
- Simply connect-and-display the results of all three wavelengths (1310/1490/1550nm) of PON signals
- Pass, Fail and Warning indicators for easy view of signal condition
- Detect and measure the upstream burst at 1310nm
- User definable threshold value (up to 10 sets)
- Auto power shut off
- Low battery warning
- Unit runs either by battery or AC/DC adapter.

Standard Package

- Interchangeable FC, SC and ST connectors
- Rechargeable battery
- Operating Manual
- Software CD
- USB Cable
- Soft carrying case
- Rubber boot
- AC power adapter

Related Products

FPP-30
FPP-50A
FPP-50B

Specifications

Model	FPP-40		
Calibrated Wavelength	1310nm	1490nm	1550nm
Measuring Range (dBm)	-40 ~ +10.0	-50 ~ +15	-50 ~ +20
Burst Mode Range (dBm)	-32 ~ +5.5	--	--
Spectral Pass-band (nm)	1260 ~ 1360	1480 ~ 1500	1539 ~ 1565
Isolation of 1310nm band	--	>40dB	>40dB
Isolation of 1490nm band	>40dB	--	>40dB
Isolation of 1550nm band	>40dB	>40dB	--
Number of ports	2 (ONU and OLT)		
Connector Type	Interchangeable FC, SC and ST		
Detector Type	InGaAs		
Insertion loss	1.5dB		
Accuracy	± 0.5dB		
Linearity	± 0.2dB		
Auto Power Off	Yes		
Back-light	Yes		
Refresh Rate of Display	2.5Hz		
Threshold Value	10 sets (configured via PC-based software)		
Operating Temperature	-10 ~ +50°C		
Storage Temperature	-20 ~ +70°C		
Relative Humidity	0% ~ 95% (non-condensing)		
Power Supply	4 pcs 1.2V Ni-MH AA, 6V AC/DC Adaptor		
Batter life	> 20 hours on typical measurement		
Dimension w/ rubber boot on	190L x 105W x 55H (mm)		
Display	2.8 inch TFT Color LCD		
Net Weight	700g		

Note: Specifications subject to change without notice

Options

Part Number	Descriptions
MFA-FCLC	FC (Male) to LC (Female) connector
MFA-SCLC	SC (Male) to LC (Female) connector
MFA-STLC	ST (Male) to LC (Female) connector
Other types of connectors	Upon request
FPP-Hard-case	Aluminum case