

FX40 Series

Optical Power Meter (OPM)
Optical Light Source (OLS)



VeEX



Key Features

- Singlemode and Multimode testing
- PON, Telecom, CATV and LAN/WAN applications
- Dual wavelength laser source and power meter options
- High accuracy and wide dynamic range
- Save OPM measurements (> 100 single results)
- Transfer stored results to a PC via USB for report generation, printing and Fiberizer Cloud upload
- Reference power level setup and recall
- Splash resistant keypad and chassis design
- High contrast display - Visible outdoors and backlight for indoor or low light conditions
- Alkaline or Rechargeable battery option with Auto power off
- Field interchangeable optical adaptors support multiple connector types and allow easy access for cleaning

Key Specifications

Optical Power Meter (OPM)

- Calibrated wavelengths: 850, 1300, 1310, 1490, 1550, 1625, 1650 nm
- Level measurement range:
 - PM1 version: -50 to +7 dBm
 - PM2 version: -35 to +25 dBm
- Accuracy: +0.2 dB or 5%
- Modulation and Wave ID detection: Not supported

Optical Light Source (OLS)

- Wavelengths: 1310/1490 nm or 1310/1550 nm
- Test Tone Generation: 270, 1 KHz, 2 KHz
- Stability: ± 0.03 dB for insertion loss measurements

General

- Results saving: 100 without timestamp
- Results transfer: Fiberizer Desktop PC software
- Communication port: micro USB
- OLS/OPM adaptor types: FC/SC/ST/LC, Universal 1.25, Universal 2.5 mm
- Battery: Alkaline (AA) or Optional NiMH with 5V micro-USB power adapter
- Battery operating time: approximately 100 hours (without backlight)



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SPECIFICATIONS

Fiberizer™

Fiberizer Desktop and Fiberizer Cloud boost efficiency and productivity for several optical test applications. OPM and OLTS test results can easily be transferred from the device to a PC running Fiberizer Desktop PC software. Full off-line analysis and report management in a controlled office environment is possible while Fiberizer Cloud provides superior centralized test data management and reporting capabilities on line allowing you to work from almost anywhere, at any time.

Optical Specifications

Light Source		
Parameter	Singlemode	Multimode
Wavelength (nm)	1310/1490 or 1310/1550 +/- 20 nm	850/1300 ± 20 nm
Output power (dBm)	> -5	
Power Stability (dB)	≤ ± 0.03 (15 min)	< ± 0.05 (15 min)
Modulation	CW, 270, 1 kHz, 2 kHz	
Optical Connector Types	Fixed or Universal adaptors (FC, SC, LC)	
Optical Interface	UPC or APC (optional)	
Power Meter		
Calibration wavelengths (nm)	850/1300/1310/1490/1550/1625/1650	
Power range (dBm) options		
- Standard (PM1), InGaAS (1 mm)	-50 to +7	
- High (PM2), InGaAS (1 mm)	-50 to +25	
Power measurement accuracy, % (dB)	± 5 (± 0.22)	
Linearity, % (dB)	± 2, 5 (± 0.11)	
Display Resolution (dB)	0.01	
Optical Adaptors (Interchangeable)	ST/SC/FC/LC, Universal 2.5/1.25 mm	
Visual Fault Locator (VFL)		
Emitter Type	Laser	
Wavelength (nm)	650	
Output Power (mW)	1	
Modulation	CW, 1 Hz, 2 Hz	
Connector Type	Universal 2.5 mm sleeve	

General Specifications

Size:	129 x 61 x 38 mm (H x W x D)	Power Supply:	Micro USB interface, 5 VDC charger
Weight:	< 310 g (< 0.7 lbs.) OPM configuration	PC connection:	Micro USB interface, data transfer via Fiberizer desktop software
Construction:	Rugged, Polycarbonate chassis, 1 meter drop tested	Storage:	> 100 single wavelength results without timestamp
Battery:	Standard Alkaline AA Optional Rechargeable NiMH, 2 AA cells in series, 2000 mAh Optional Extended Rechargeable NimH, 2 x AA cells in series, 3100 mAh	Display:	Monochrome LCD with backlight
		Operating Temp:	-10 °C to +50 °C
		Storage Temp:	-20 °C to +70 °C
		Humidity:	0% to 95%, non-condensing