
Product Name: Optical Multimeter

Model Number: FMT-3 Series

The FMT-3 Series Multimeter sets combine a power meter with 6 wavelengths laser source, for optical fiber network installation and maintenance.

With the large capacity of data storage, USB interface and PC software, it's very convenient for field and laboratory testing.

The 1490nm testing is available to make FMT-3 Series capable of testing FTTH network.

With the build-in visible laser source, FMT-3 Series is also convenient for finding breaks and tight bends in optical fiber.



Features

1. Auto wavelength recognition
2. Automatically data storage
3. USB interface and PC associated software available
4. Automatic test function
5. Loop-back and bi-direction fiber testing
6. Auto Power—off function
7. Build-in rechargeable batteries with low battery indicator



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Contents subjects to change without notice

Rev 1.1

Specifications

	Model No.		FMT-3A	FMT-3B
	Function			
Power Meter	Calibration wavelength (nm)		850/1300/1310/1490/1550/1625	
	Connector		FC	
	Data storage (items)		999	
	Ref. Value		Yes	
	Display Units		dB / dBm / mW / μ W	
	Display precision (dB)		0.01	
	Linearity		$\leq 5\%$	
	Wavelength Recognition		1310/1490/1550 (input power ≥ -40 dBm)	1310/1490/1550 (input power ≥ -20 dBm)
	Tone Detection		270 Hz / 1KHz / 2KHz (input power ≥ -40 dBm)	270 Hz / 1KHz / 2KHz (input power ≥ -20 dBm)
	Power Range (dBm)		-70 to +10	-50 to +26
Laser Source	Output wavelength (nm)	Port 1	650 (visible light)	
		Port 2	1310/1490/1550	
		Port 3	850/1300	
	Connector		FC	
	Modulation frequencies		2 Hz @ 650nm 270/1K/2K Hz @ 1310/1490/1550/850/1300nm	
	Output Power		-5dBm @ 1310/1490/1550/850/1300nm	
	Stability ¹	Long-term(8h)	± 0.1 dB @ 1310/1490/1550nm	
			± 0.2 dB @ 850/1300nm	
			± 0.5 dB @ 650nm	
		Short-term(15min)	± 0.05 dB @ 1310/1490/1550nm	
± 0.1 dB @ 850/1300nm				
Wavelength Recognising Code		Yes (@ 1310/1490/1550nm)		
General Specification	Auto Power off		Yes	
	Power Supply		AA Ni-MH Battery * 6pcs ; AC/DC Adaptor	
	PC interface		USB	
	Battery Life		> 50 Hours (laser off)	
	Storage Temperature		-20~+60°C	
	Operating Temperature		-10~+50°C	
	Relative Humidity		<95% (Non-condensing)	
	Dimension (mm)		240L×120W×65H	
	Weight (Gram)		640	



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