

optical power meters

FM Series

Description

The FM Series are hand-held, compact and easy-to-use optical power meters. Used in conjunction with any of Wilcom's fiber sources makes testing insertion loss and power level on multimode or singlemode fiber systems simple and accurate.

These full featured meters display measurements in dBm (absolute power), dBr (relative power) and μ W (micro Watts) (mW for FM8515C). The FM-8510 offers simplified, basic measurements in dBm only.

The optical input port on the FM series accepts Wilcom thread-on style adapter caps to support most fiber connector styles. (order separately)

Models FM-8510, FM-8515B and FM-8520 measure optical power from +5 dBm to -70 dBm with calibrated wavelengths of 850, 1300/1310, and 1550nm making these units ideal for general singlemode and multimode fiber optic testing requirements.



Specifications:

	FM-8510	FM-8515B	FM-8520	FM-8515C	FM-1317
Calibrated Wavelength (nm)	850, 1300, 1310, 1550				850,980,1300,1310 1480,1550,1625
Power Range (dBm)	+5 to -70			+23 to -50 to -20 @850	+5 to -70
Detector Type	InGaAs				
Accuracy ¹	± 0.25dB				
Resolution	0.01dB				
Display	4 digit LCD				
Function (Power Units)	dBm	dBm, dBr, μ W (mW FM-8515C)			
2 kHz Detection	No	Yes	Yes	Yes	Yes
Reference Store	No	Yes			
Auto Shut Off	5 minutes after last keypress				
Data Storage w/ Output (RS232)	No	No	Yes	No	No
Power	Two (2) AA size batteries				
Operating Temperature	-10 to +40 °C				
Storage Temperature	-20 to +60 °C				
Dimensions H x W x D	6.3" x 3.3" x 1.3" (160 x 83 x 33mm)				
Weight	0.49 lbs (220g)				
Warranty	1 year				

Note 1: Valid at 1310nm, -20 dBm CW, 23°C

Ordering Information:

Description	Part Number	Description	Part Number
FM-8510	30851001	FM-8515B	30851511
FM-8515C	30851514	FM-8520	30852001-02
FM-1317	30131705		

Optional Accessories

Description	Part Number	For FM8515C	Description	Part Number	For FM8515C
ST Adapter	04419812	30030792-01-1	Biconic Adapter	30031983	30030134-01-1
SMA Adapter	04419809	N/A	LC Adapter	30032070	30032052-01-5
FC Adapter	04419857	30030191-01-2	2.5mm Universal Adapter	30031992	N/A
SC Adapter	04419716	30031752-01-4	D4 Adapter	N/A	30030118-01-3

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