

# FM Series Fiber Meters

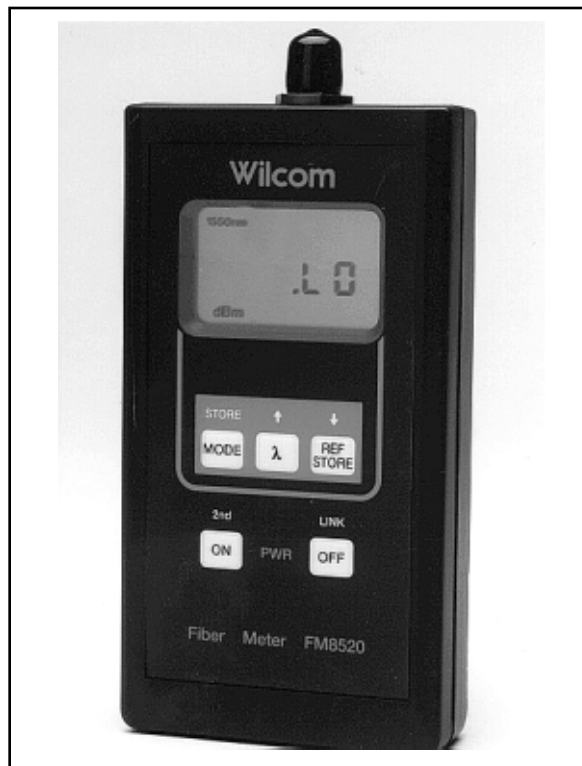
## optical power meters

### Description

The FM Series Fiber Meters are hand-held, compact, lightweight, and easy-to-use battery powered optical power meters. Together with any of Wilcom's fiber sources, this team makes a perfect combination for accurately testing multimode and singlemode optical fiber systems.

Each fiber meter is calibrated at 850, 1310, and 1550nm. The FM8515B/C, and FM8520 offer measurements in dBm, dBr, and micro-watts (milli-watts for FM8515C). The FM8510 offers measurements in dBm only. Each unit comes with a universal connector system for connecting to the most popular connector types.

Models FM8510, FM8515B, and FM8520 measure optical power from +5 dBm to -70 dBm in the 800 to 1700nm range. Model FM8515C measures optical power from +23 dBm to -50 dBm. The broad dynamic range is made possible by an innovative new microcontroller based measuring circuit which assures linearity over eight logarithmic decades.




The FM Series Fiber Meters can be operated continuously on internal batteries for greater than 100 hours. Each unit has a display indicator for *low battery*, and *over range* conditions.

### Features and Benefits

- 850, 1300, and 1550nm Wavelengths**  
*Time and cost savings with one power meter for three different wavelengths.*
- 70 dBm to +5 dBm Dynamic Range**  
*A wide dynamic range that covers a variety of multimode and singlemode applications.*
- Singlemode and Multimode Applications**  
*One test set for all your power and loss measurements.*
- Hand-Held, Battery Operated for Field Use**  
*Don't get stuck away from the truck with a dead meter; your batteries last longer, and our low battery indicator is an early warning system that gives you plenty of time.*
- Low Power Consumption**  
*Each unit uses two commonly available AA Alkaline batteries to provide power for greater than 100hrs of continuous use.*
- Two Way Power**  
*Each unit offers the convenience of two-way power. They can operate by using either AA Alkaline batteries, or optional rechargeable NiCad batteries.*
- Single Key Operation**  
*Ease of operation is provided for by single key entry for wavelength selection, and optical power measurements.*

# Wilcom

## Specifications

MODELS	FM8510	FM8515B/C	FM8520
Detector Type	InGaAs (FM8510, FM8515B, FM8520 ) Filtered InGaAs ( FM8515C )		
Power Range	+5 to -70 dBm (FM8510, FM8515B, FM8520 ) +23 to - 50 dBm ( FM8515C )		
Calibration Wavelength	850, 1310, & 1550nm		
Accuracy	+/- .25%		
Resolution	0.01 dB		
Display Indicators	4 digit LCD		
Low Battery Indicator	Flashing visual indicator		
Signal Over Range	Flashing visual indicator		
Modulation - 2kHz	Flashing visual indicator ( FM8520 )		
Battery Life ( Alkaline)	>100 hrs. continuous use		
Adapter Caps	ST, FC, & SC		
Power	Two AA-Size Alkaline or NiCd (opt.)		
NiCad Charger (opt.)	8.7-15 VAC/DC> 150mA - Tip-Positive		
Operating Temp. Storage Temp.	-10 to +40 C -20 to +60 C		
Size	6.3"H x 3.3"W x 1.3"D (160 x 83 x 33mm)		
Weight	0.49 lbs ( 220g )		
			

## Warranty

The Wilcom Series of Fiber Meters are warranted for a period of one year to be free of defects in material and workmanship.

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## Ordering Information

Model No. Part No.

FM8510 - w/o Charger 30851001

FM8510 - w/Charger 30851002

FM8515B - w/o Charger 30851511

FM8515B - w/Charger 30851512

FM8515C - w/o Charger 30851514

FM8515C - w/Charger 30851513

FM8520 - w/o Charger 30852001

( Printer/PC Interface Cable included )

FM8520 - w/ Charger 30852002

( Printer/PC Interface Cable included )

### Accessories:

ST™ Adapter Cap 04419812

SMA Adapter Cap 04419809

FC Adapter Cap 04419857

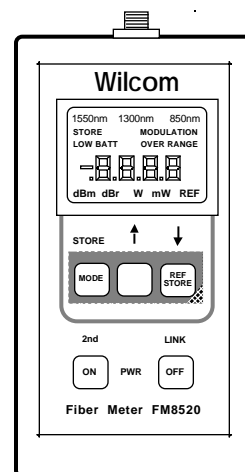
SC Adapter Cap 04419716

D4 Adapter Cap 30031836

Biconic Adapter Cap 30031983

Universal Port Adapter Cap 30031992

( accepts any 2.5mm ferrule )



Model FM8520 Front Panel

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