

# FTTx optical power meter

# FM-1318

## Description

The FM-1318 is hand-held, compact and easy-to-use optical power meter. 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.

Model FM-1318 measures power levels from +5 dBm to -70 dBm.  
Model FM-1318C measures power levels from +26 dBm to -45 dBm.

Both models display measurements in dBm (absolute power), dB<sub>r</sub> (relative power) and  $\mu$ W (micro Watts) (mW for FM-1318C).

Both units have calibrated wavelengths of 850nm, 1300nm, 1310nm, 1490nm, 1550nm, and 1625nm allowing these units to test passive optical networks (PONs) at the three main wavelengths recommended by the ITU-T (G.983.3) for use in fiber-to-the-home (FTTH), and fiber-to-the-premise (FTTP) networks. The FM-1318 and FM-1318C are also ideal for general singlemode and multimode fiber optic testing.



## Specifications:

	FM-1318	FM-1318C
Calibrated Wavelengths (nm)	850, 1300, 1310, 1490, 1550 and 1625	
Power Range (dBm)	+5 to -70	+26 to -45
Detector Type	InGaAs	
Accuracy <sup>1</sup>	± 0.25dB	
Resolution	0.01dB	
Display	4 digit LCD	
Function (Power Units)	dBm, dB <sub>r</sub> , $\mu$ W (mW FM-1318C)	
2 kHz Detection	Yes	
Reference Store	Yes	
Auto Shut Off	5 minutes after last keypress (can be disabled)	
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
FM-1318	30131810
FM-1318C	30131820

## Optional Accessories

Description	Part Number	Description	Part Number
ST Adapter	04419812	Biconic Adapter	30031983
SMA Adapter	04419809	LC Adapter	30032070
FC Adapter	04419857	2.5mm Universal Adapter	30031992
SC Adapter	04419716	Rechargeable Battery Kit	30032241-01

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