

Optical Wavelength Manager™ (OWM™)

Technical Specifications

100 GHz

Wavelength Measurement Range	32 nm or 40 nm, C Band	Wavelength Range (32nm)	1530.334 nm to 1561.419 nm
Channel Spacing	≥100 GHz	Operating Temperature Range	0 to +50°C
Number of Channels	40 or 50 @ 100 GHz spacing 20 or 25 @ 200 GHz spacing	Power Requirement	<10 W
Dynamic Range	60 dB	Power Input	100-250 VAC or – 48 VDC
Noise Floor	-70 dBm	Fiber Connector (Std)	SC/UJPC
Power Accuracy	± 0.5 dB	Optical Fiber Inputs	2, 4, 8
Power Resolution	0.1 dB	Interface Connectors	RS-232, 10-BaseT Ethernet
Wavelength Accuracy	± 0.02 nm	Local Software Downloads & File Storage	PCMCIA - Dual slot
Wavelength Resolution	0.01 nm	Interface Protocols	ASCII CLI, TL-1, SNMP v1/v2, FTP for remote downloads
OSNR Measurement Range	>30 dB at 0.1 nm bandwidth)	Dimensions (approx.)	17" W x 3.5" H x 10.75" D (provided with mounting brackets for 19" and 23" rack width)
Power Measurement Rate	10 ms (all channels)		Designed to Telcordia NEBS Level-3, UL1950 & CSA No.950, FCC Part15, CE compliance
Wavelength Measurement Rate	10 ms (all channels)		
OSNR Measurement Rate	100 ms (all channels)		
Wavelength Range (40nm)	1526.05 nm to 1565.90 nm		

50 GHz

Wavelength Measurement Range	40 nm, C Band	Wavelength Range	1526.05 nm to 1565.90 nm
Channel Spacing	≥ 50 GHz	Operating Temperature Range	0 to +50°C
Number of Channels	100 @ 50 GHz spacing 50 @ 100 GHz spacing	Power Requirement	< 10 W
Dynamic Range	60 dB	Power Input	120-250 VAC or – 48 VDC
Noise Floor	-70 dBm	Fiber Connector. (Std)	SC/UJPC
Power Accuracy	± 0.5 dB	Optical Fiber Inputs	2, 4, 8
Power Resolution	0.1 dB	Interface Connectors	RS-232, 10-BaseT Ethernet
Wavelength Accuracy	± 0.02 nm	Local Software Downloads & File Storage	PCMCIA
Wavelength Resolution	0.01 nm	Interface Protocols	ASCII CLI, TL-1, SNMP v1/v2, FTP for remote downloads
OSNR Measurement Range	100 GHz spacing >30 dB (at 0.1 nm bandwidth) 50 GHz spacing >20 dB (at 0.1 nm bandwidth)	Dimensions approx.	17" W x 3.5" H x 10.75" D (provided with mounting brackets for 19" and 23" rack width)
Power Measurement Rate	10 ms (all channels)		Designed to Telcordia NEBS Level-3, UL1950 & CSA No.950, FCC Part15, CE compliance
Wavelength Measurement Rate	10 ms (all channels)		
OSNR Measurement Rate	100 ms (all channels)		

Specifications valid over full temperature range. Specifications are subject to change without notice.



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Ordering Information For ordering and pricing information, including options and accessories, call +1 727 442 6677 or visit www.lightwave.com.

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