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Find the *Digital Lightwave OWM* at our website: ***Click HERE***

Optical Wavelength Manager™ (OWM™) Technical Specifications

100 GHz

Wavelength Measurement Range	32 nm or 40 nm, C Band
Channel Spacing	≥100 GHz
Number of Channels	40 or 50 @ 100 GHz spacing 20 or 25 @ 200 GHz spacing
Dynamic Range	60 dB
Noise Floor	-70 dBm
Power Accuracy	± 0.5 dB
Power Resolution	0.1 dB
Wavelength Accuracy	± 0.02 nm
Wavelength Resolution	0.01 nm
OSNR Measurement Range	>30 dB at 0.1 nm bandwidth)
Power Measurement Rate	10 ms (all channels)
Wavelength Measurement Rate	10 ms (all channels)
OSNR Measurement Rate	100 ms (all channels)
Wavelength Range (40nm)	1526.05 nm to 1565.90 nm
Wavelength Range (32nm)	1530.334 nm to1561.419 nm
Operating Temperature Range	0 to +50°C
Power Requirement	<10 W
Power Input	100-250 VAC or – 48 VDC
Fiber Connector (Std)	SC/UPC
Optical Fiber Inputs	2, 4, 8
Interface Connectors	RS-232, 10-BaseT Ethernet
Local Software Downloads & File Storage	PCMCIA - Dual slot
Interface Protocols	ASCII CLI, TL-1, SNMP v1/v2, FTP for remote downloads
Dimensions (approx.)	17" W x 3.5" H x 10.75" D (provided with mounting brackets for 19" and 23" rack width)
	Designed to Telcordia NEBS Level-3, UL1950 &CSA No.950, FCC Part15, CE compliance

50 GHz

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

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

Digital Lightwave®

www.lightwave.com
info@lightwave.com

United States/Caribbean
15550 Lightwave Drive
Clearwater, FL 33760
Toll free: +1 877 442 DIGL
T: +1 727 442 6677
F: +1 727 442 5660

Europe/Middle East/Africa
Eastway Enterprise Centre
7 Paynes Park
Hitchin Hertfordshire
England SG5 1EH
T: +44 (0) 1462 429719
F: +44 (0) 1462 429760

Asia/Pacific Rim
Digital Lightwave Asia Pacific Pty. Ltd.
236 Balaclava Road
Caulfield North, Victoria
Australia 3161
T: +61 3 9509 4610
F: +61 3 9509 4615

Latin America
Digital Lightwave Ltd.
Rua Helade, 81
Sao Paulo, Brazil 04634-000
T: +55 11 5034 7277
F: +55 11 5034 7424

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

Digital Lightwave provides industry-leading products, technologies, and services for deploying and managing communications networks. With a presence in more than 80 countries, Digital Lightwave enables customers to successfully implement global communications networks worldwide. To find the nearest sales office, please visit www.lightwave.com.

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