



Precision Rated Optics

Work with a PRO!

OCC-CWDM-301 Series

CWDM/ 8CH & 18CH Analyzers



The OCC-CWDM-301 Series Handheld CWDM Optical Channel Checker is specially designed for CWDM installation, maintenance and troubleshooting. This unit is able to measure and monitor power values of up to 18 CWDM channels. The OCC-CWDM-301 Series can replace high-cost spectrometers and conduct quick and reliable measurements in all environments.

Due to its light, compact and sturdy design, the OCC-CWDM-301 Series is the ideal tool for CWDM installation and maintenance technicians.

- Up to 18-channel Measurement
- Results Displayed in Histogram and List
- User-defined Threshold Settings
- Data Transfer to PC via USB
- 10 Hours Continuous Operation

Power Meter Module

Calibrated Wavelength (nm)	850, 1300, 1310, 1490, 1550, 1625
Power Range (dBm) ⁽¹⁾	-70 ~ +10
Accuracy	±5%±0.01nW (±0.5 dB@850nm)
Resolution	0.01 dB

General Specifications

Power Supply	NiMH Rechargeable Battery / AC Adapter
Battery Life	10 hrs continuous operation, 20 hrs standby (on one charge)
Warranty	1-Year Manufacturer's Warranty
Operating Temperature	14° F ~ 122° F (-10° C ~ 50° C)
Storage Temperature	-4° F ~ 158° F (-20° C ~ 70° C)
Environmental Conditions	0 ~ 95% RH (Humidity, Non-Condensing)
Weight & Dimensions (HxWxD)	(8.7" x 4.3" x 2.7" / 2.2 lb (220 x 110 x 70mm / 1kg)

Note: (1) At 850nm, the lower limit of measurement range is -60 dBm

* Specifications subject to change without notice

OCC-CWDM-301 Series Standard Package Includes:

CWDM Optical Channel Checker, Rechargeable Battery, AC/DC Adapter, Manual and/or Software Download Card, Data Transfer Cable (RS232/USB), User's Guide, Warranty Card, CE Certificate, Certificate of Calibration, Soft Carrying Case

CWDM Module

	OCC-CWDM-301-18A	OCC-CWDM-301-18B
Wavelength (nm)	1471~1611	1271~1611
Channel Number	8	18
Power Range	-50 ~ +10dBm	
Channel Spacing	20nm	
Central Wavelength	ITU	
Channel Band-pass	ITU ±6.5nm	
Channel Power Resolution	±0.01 dB	
Channel Power Accuracy	±0.5 dB	
Channel Power Repeatability	±0.5dB	
Maximum Input Power	13 dBm	
ORL	>45 dB	
Measurement Unit	W/mW/ μW/nW/pW/dBm/dB (REF)	
Data Storage	1000 sets	
Connectivity	USB	
Detector Type	InGaAs	
Application Range	Singlemode Fiber	
Connector	FC/PC (Interchangeable SC/ST)	
Power Saving	Auto-off after 5 minute idle	

Ordering Information

OCC-CWDM-301-8	CWDM Channel Checker 1471~1611nm
OCC-CWDM-301-18	CWDM Channel Checker 1271~1611nm