

# OCC-50 CWDM Optical Channel Checker

## Powerful Tool for CWDM Installation, Maintenance & Troubleshooting

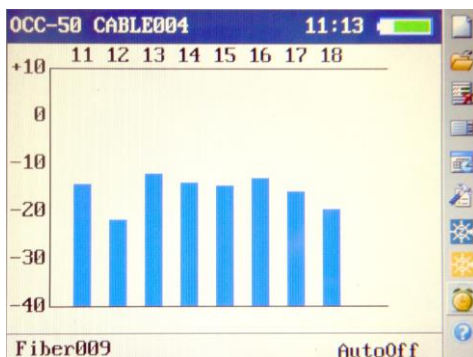
- ◆ Clear TFT LCD display (320x240)
- ◆ 18-channel measurement:  
Model OCC-50B, 1271-1611nm
- ◆ 8-channel measurement:  
Model OCC-50A, 1471-1611nm
- ◆ Result display in histogram and list
- ◆ Applicable to normal optical power measurement
- ◆ Internal clock & fiber S/N editable
- ◆ User definable threshold setting
- ◆ Data Transfer to PC via USB
- ◆ No warm-up, quick start
- ◆ Backlight
- ◆ 10 hours continuous operation
- ◆ Pocketsize, lightweight and easy-to-use
- ◆ CE, FCC certificates



OCC-50 Handheld CWDM Optical Channel Checker is specially designed for CWDM installation, maintenance and troubleshooting, which allows you to measure and monitor power values of up to 18 CWDM channels. OCC-50 can replace high-cost Spectrometers and conduct quick and reliable measurements in all environments. Thanks to its light, compact and sturdy design, OCC-50 is the ideal tool for CWDM installation and maintenance technicians.

### Result display in histogram and list

Straightforward result display for easy understanding.



Channel	WaveLength	Power
11	1471 nm	-14.20 dBm
12	1491 nm	-21.69 dBm
13	1511 nm	-12.04 dBm
14	1531 nm	-13.75 dBm
15	1551 nm	-14.54 dBm
16	1571 nm	-13.00 dBm
17	1591 nm	-15.79 dBm
18	1611 nm	-19.39 dBm

### Internal clock & fiber S/N editable

Internal clock enables OCC-50 to save test data with time and editable fiber SN information for convenient archiving and editing.

## Specifications

Model	OCC-50A	OCC-50B
<b>CWDM Module</b>		
Wavelength (nm)	1471~1611	1271~ 1611
Channel Number	8	18
Power Range (dBm)	-50 ~ +10	
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	±0.5 dB	
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	
<b>OPM Module</b>		
Calibrated Wavelength (nm)	850,1300,1310,1490,1550,1625	
Power Range (dBm) <sup>(1)</sup>	-70 ~ +10	
Accuracy	± 5% ± 0.01nW(±0.5 dB@850nm)	
Resolution	0.01 dB	
<b>General Specifications</b>		
Power Supply	NiMH Rechargeable Battery / AC Power Adaptor	
Battery Life	Continuous operation ≥10 hours	
Weight	1kg (2.2 lbs)	
Dimensions (H × W × T)	220×110×70mm (8.7×4.3×2.7 inch)	

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

\* Specifications subject to change without notice

## Ordering Information

Standard Package:

Instrument, NiMH battery, AC adaptor, USB data cable, OCC software CD, Soft carrying case, Warranty card, Certificate of calibration, User's guide.

