

## OCC-50 CWDM Optical Channel Checker

Powerful Tool for CWDM Installation, Maintenance & Troubleshooting

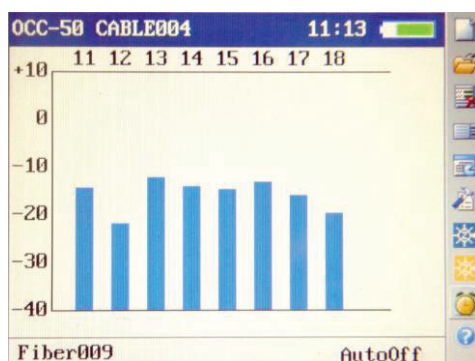
- ◆ Clear TFT LCD display (320×240)
- ◆ 8-channel measurement (1471-1611 nm)
- ◆ Result display in histogram and list
- ◆ Applicable to normal optical power measurement
- ◆ Internal clock & fiber S/N editable
- ◆ User definable threshold setting
- ◆ Data Transfer to PC via USB
- ◆ No warm-up, quick start
- ◆ 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 is able to measure and monitor power values of 8 CWDM channels. OCC-50 can replace high-cost Spectrometers and conduct quick and reliable measurements in all environments. Thanks for 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
<b>CWDM Module</b>	
Wavelength (nm)	1460~1620
Power Range (dBm)	-40 ~ +10
Channel Number	8
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	±0.25 dB (5%) @25°C & -10dBm (±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, CE certificate, Certificate of calibration, User's guide.

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