OCC-56C/56L

SMART Optical DWDM Channel Checker

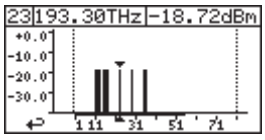
Key features

- **Industry's smallest and lightest DWDM channel checker**
- **Supports C-band or L-band applications**
- **Outstanding battery lifetime ensures highest flexibility**
- **Graphical/tabular display mode**
- **Supports 50 GHz, 100 GHz, or 200 GHz channel spacing (according to ITU-T)**
- **Results can be saved via internal memory or external USB memory stick**
- **Report generation software OFS-355**

JDSU's SMART optical handhelds go beyond the basics

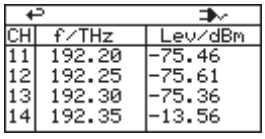
The JDSU OCC-56 is a handheld, battery-operated DWDM Channel Checker that is ideal for field service groups tasked with the installation, maintenance, and upgrades of DWDM systems. The OCC-56 scans the DWDM system and automatically records all channels with the wavelength/frequency and the related power level. The information can be displayed in a graphical spectrum format, or in a table of results so that users can easily check the performance of each and every channel.

The SMART DWDM Channel Checker is available in two different versions
OCC-56C covers all ITU-T frequencies from 1528 nm to 1564 nm based on a 50 GHz grid.
OCC-56L is the complementary channel checker to address applications in the L-band from 1570 nm to 1609 nm.



Graphical display

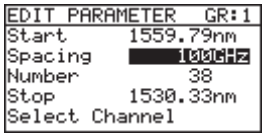
Cursor position indicates channel shown in the upper section of the display.



CH	f/THz	Lev/dBm
11	192.20	-75.46
12	192.25	-75.61
13	192.30	-75.36
14	192.35	-13.56

Tabular display

Channel number, frequency (wavelength) with the relevant power level is listed in a compact format.



EDIT PARAMETER	GR:1
Start	1559.79nm
Spacing	100GHz
Number	38
Stop	1530.33nm
Select Channel	

Optimization of measurements by the definition of customized wavelength grids. Up to 10 sets of parameters can be saved on the OCC-56.

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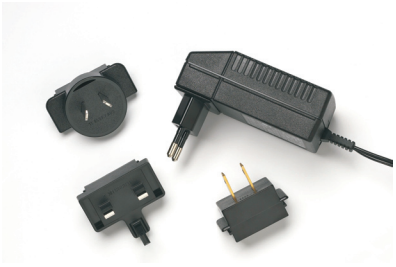
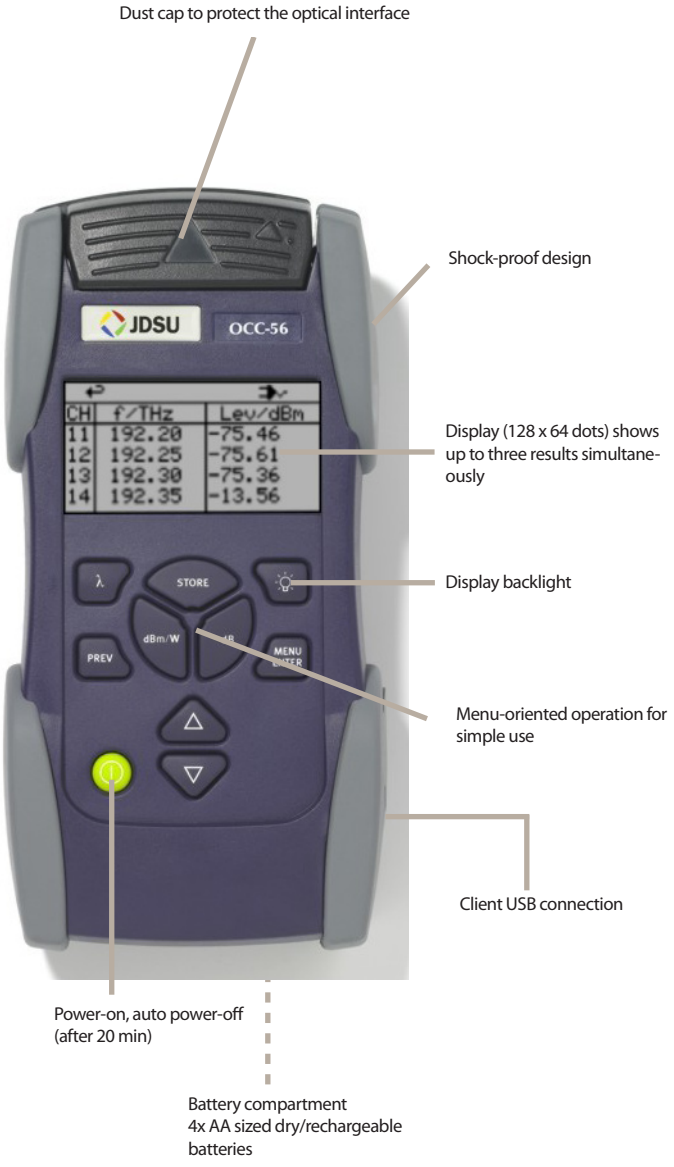
OCK-10 Optical Connector Cleaning Kit (accessory)

OIM-400 Fiber Microscope (accessory)

Optical adapters (BN 2150) for signal input



Worldwide compatible AC adapter/charger
(SNT-121A)



Specifications

	OCC-56C	OCC-56L
Wavelength range	1528 nm to 1564 nm	1570 nm to 1609 nm
Wavelength accuracy	typ. ± 3.3 GHz	
Channel spacing	50 GHz / 100 GHz / 200 GHz	
Channel power range	<-70 to +10 dBm	
Absolute accuracy[1], [2]	< ± 1 dB	
Readout resolution	± 0.1 dB	
Filter selectivity Optical bandwidth 3 dB	35 GHz (0.28 nm) typ.	
Measurement time	~ 120 s (full span sweep) typ.	
Optical interface	Universal PC (FC/SC/DIN...)	
Max. composite power	+22 dBm	
Return loss	>35 dB	
Graphical display Trace	Bar graph, 50 GHz/pixel	
Table	ch-no, wavelength, power	
Functions	Zoom, marker	
Sweep mode	Single, continuous	
Remote control	via USB interface	

[1] For input levels -60 dBm to +5 dBm
[2] 23°C ± 5°C

Display

Graphical display, resolution of 128 × 64 dots, displays up to four laser status screens
Backlight function switchable via a separate key

Optical interface

Optical connector interchangeable adapter from BN 2150/00.xx range

Power supply

Four dry batteries Mignon/AA, 1.5 V or NiMH rechargeable cells Mignon/AA, 1.2 V
Operating time from dry batteries typ. 7 h[1]
Power saving
The instrument switches off automatically after ~20 min (function can be disabled)
AC line operation via separate AC adapter
Integrated fast battery charging function (2 hours)

Electromagnetic compatibility

Corresponds to IEC 61326 (CE conformance)

Calibration

Suggested calibration interval 3 years

Temperature

Opreration –10°C to +55°C
Storage –40°C to +70°C

Dimensions and weight

W × H × D approximately 95 × 60 × 195 mm (3.74 × 2.36 × 7.68 in)
Weight approximately 500 g (1.1 lb)

(1) single sweep mode

Ordering Information

Ordering number	Instrument
BN 2277/41	OCC-56 C (C-band)
BN 2277/42	OCC-56 L (L-band)

Included items

Ordering number	Description
BN 2277/90.06	Host USB interface
BN 2237/90.02	Four NiMH rechargeable cells (AA)
BN 2277/90.01	SNT-121A AC adapter
	Operating manual
BN 2277/90.02	MT-1S Belt bag
BN 2150/00.xx	Interchangeable adapter

Accessories

Ordering number	Accessories
BN 2150/00.32	Optical adapter ST type
BN 2150/00.58	Optical adapter SC type
BN 2150/00.51	Optical adapter FC type
BN 2150/00.50	Optical adapter DIN type
BN 2150/00.59	Optical adapter LC type
BN 2229/90.21	OCK-10 Optical Connector Cleaning Kit
BN 2237/90.02	NiMH cells, Mignon/AA, 1.2 V (4 required per instrument)
BN 2277/90.01	SNT-121A Worldwide compatible AC adapter
K804	USB connection cable
BN 2255/90.08	OIM-400 Fiber Microscope
BN 2277/90.02	MT-1S belt bag for one instrument
BN 2126/03	MT-2S soft bag for two instruments
BN 2126/04	MT-3S soft bag for three instruments
BN 2093/31	MK-3S hard case for three instruments

Test & Measurement Regional Sales

NORTH AMERICA
TEL: 1 866 228 3762
FAX: +1 301 353 9216

LATIN AMERICA
TEL:+55 11 5503 3800
FAX:+55 11 5505 1598

ASIA PACIFIC
TEL:+852 2892 0990
FAX:+852 2892 0770

EMEA
TEL:+49 7121 86 2222
FAX:+49 7121 86 1222

WEBSITE: www.jdsu.com