

# DWDM OSA

## 1. GENERAL DESCRIPTION

The optical DWDM Power Meter is designed to measure both wavelength and optical power of multi wavelength optical signals in DWDM systems that uses optical carriers with multiple channels. It is made both compact and stable, so that it is suitable for outdoor field applications.

By default the OSA is compatible with SC/PC optical interface and LC adapter. Variable connector types are available on request.



## 2. ORDERING INFORMATION

### PARTNAME

### DESCRIPTION

SO-OSA-DWDM-48Ch  
 (\*picture general descript.)

Solid Optics portable DWDM Optical Spectrum Analyzer, DWDM, Channel Spacing 100/200 Ghz, CH17-CH64

SO-OSA-5DWDM-96Ch

Solid Optics portable DWDM Optical Spectrum Analyzer, DWDM, Channel Spacing 50/100 Ghz CH17-CH64.5

## 3. PRODUCT SPECIFICATIONS & FEATURES

- ✓ Automatic DWDM-48 or 96channel (Wavelength & Power) measurement at a time
- ✓ Compact size, excellent portability and easy operation
- ✓ Also works as a regular optical power meter
- ✓ DWDM Scan Color Graph
- ✓ Add to graphic display
- ✓ Less power consumption
- ✓ Save and Recall about 300 data
- ✓ Light weight for on-site measurement
- ✓ Quick start operation, requiring no warm-up time and reducing testing time
- ✓ A robust, shock-proof, splash-proof design for field operations
- ✓ Auto shut-off function
- ✓ Software Provided for the self-management data

- ✓ 5-pin charger and USB data cable

## 4. TECHNICAL SPECIFICATIONS

PARAMETER	UNIT	VALUE
WAVELENGTH RANGE	nm	1526.43-1563.86 (48CH)
		1526.05-1563.86 (96CH)
NUMBER OF CHANNELS	CH	48 (48CH)
		96 (96CH)
CHANNEL SPACING	Ghz	100,200 (48CH)
		50,100 (96CH)
MEASUREMENT SPEED	Sec.	3 (48CH)
		4 (96CH)
MEASUREMENT RANGE	dB	-40 ~ 10
MEASUREMENT ACCURACY	dB	+ - 1.0@ -30dBm (48CH)
		+ - 1.0@ -40dBm (96CH)
DISPLAY	-	2.8" TFT-LCD (240x320) (48CH)
		3.5" TFT-LCD (240x320) (96CH)
CONNECTOR	-	SC/PC (comes with LC adapter)
POWER SUPPLY	-	5V Micro USB
BATTERY	-	Rechargeable Lithium-Polymer
OPTICAL INTERFACE	-	SC/PC (standard), FC, LC, ST available
OPERATING TEMPERATURE	°C	-20 ~ +55
DIMENSIONS	mm	78 x 155 x 35 (48CH)
		95 x 195.5 x 40 (96CH)
WEIGHT	g	325 (48CH)
		610 (96CH)

## 5. WARNING & SYMBOLS



Solid Optics EN N.V. has tested the equipment based on European legislation and it is safe, doesn't intervene with other electronic devices and that it is not affected by interference from other Electronic devices.

## RoHS

Hazardous Goods; Our equipment complies with Directive 2011/65/EU (RoHS II) and 2002/95 EC (RoHS I)

## 6. DISCLAIMER & COPYRIGHT

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