

# CWDM OSA

## 1. GENERAL DESCRIPTION

The optical CWDM Power Meter is designed to measure both wavelength and optical power of multi wavelength optical signals in CWDM, FTTx, LTE, WCDMA, WDM-PON system and 3G that uses optical carriers with different wavelengths. It is made both compact and stable, so that it is suitable for outdoor field application.

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-CWDM-18Ch

Solid Optics portable CWDM Optical Spectrum Analyzer, CWDM wavelength from 1270 to 1610nm sensitivity -40dBm to 10dBm

## 3. PRODUCT SPECIFICATIONS & FEATURES

- ✓ Simultaneous measurement of both optical power and wavelength in CWDM system
- ✓ Compact size, excellent portability and easy operation
- ✓ Applicable for wavelength optical network such as CWDM, LTE, WiBro, 3G/4G, FTTx
- ✓ Also works as a regular optical power meter
- ✓ Color LCD
- ✓ Add to graphic display
- ✓ 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
- ✓ 5-pin charger and USB data cable

## 4. TECHNICAL SPECIFICATIONS

PARAMETER	UNIT	VALUE
WAVELENGTH RANGE	nm	1270-1610
NUMBER OF CHANNELS	CH	18
WAVELENGTH RESOLUTION	nm	20
DYNAMIC RANGE	dBm	-40 - 10
ABSOLUTE ACCURACY	dB	0.5
POWER RESOLUTION	dB	0.01
DISPLAY	-	2.8" TFT-LCD (240x320)
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
GUARANTEED TIME OF OPERATING	min	600
OPERATING TEMPERATURE	°C	-20 ~ +55
DIMENSIONS	mm	78 x 155 x 35
WEIGHT	g	325

## 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.



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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