

OPT-WA100 - Optical Wavelength Analyser

Application

The OPT-WA100 Optical Wavelength Analyser is designed to measure both wavelength and optical power of multi wavelength optical signals in WCDMA, CWDM-PON and WDM-PON systems that use multiple optical carriers with different wavelengths. Compact and highly stable the OPT-WA-100 is well suited for field applications.

Features:

- Simultaneous measurement of both optical power & wavelength in WDM systems
- Compact size, excellent portability and easy operation
- Applicable for wavelength optical network such as CWDM, WiBro, 4G
- Also works as a typical optical power meter (850nm-1650nm)
- Typical cell phone travel charger and USB data cable
- Color LCD (320 x 240 resolution)
- Compact & light weight for easy on-site measurements
- Quick start operation, requires no warm-up time, reduces testing time
- Robust, shock-proof, splash-proof design for field operation
- Adjustable auto power-off interval for low power consumption

Specifications:

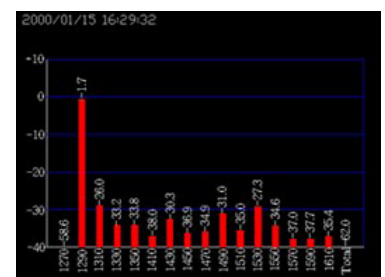
Parameter	Specification
Wavelength range	1260 ~ 1620 nm
No of optical channel	16
Wavelength (nm)	1270/1290/1310/1330/1350/1410/1430/1450 1470/1490/1510/1530/1550/1570/1590/1610
Wavelength resolution	20nm
Dynamic range	+ 10dBm to -40dBm
Absolute accuracy	< ±0.5 dB
Power resolution	0.01 dB
Units	dBm / dB / mW
Power supply	Rechargeable Lithium Ion Batteries
Optical interface	9/125um SC/APC
Photo diode	InGaAs
Operating Temperature	0 ~ +50 °C
Dimension	74 x 192 x 38 mm
Weight	325g



CH	λ _c (nm)	CUR(dBm)	REF(dBm)	LOSS(dB)
1	127.0	-5.27	-5.27	0.00
2	129.0	-48.85	-48.85	0.00
3	131.0	-48.88	-48.88	0.00
4	133.0	-48.29	-48.29	0.00
5	135.0	-48.12	-48.12	0.00
6	141.0	-34.58	-34.58	0.00
7	143.0	-5.75	-5.75	0.00
8	145.0	-31.55	-31.55	0.00
9	147.0	-37.51	-37.51	0.00
10	149.0	-41.38	-41.38	0.00
11	151.0	-44.42	-44.42	0.00
12	153.0	-48.63	-48.63	0.00
13	155.0	-48.48	-48.48	0.00
14	157.0	-48.75	-48.75	0.00
15	159.0	-45.88	-45.88	0.00
16	161.0	-45.70	-45.70	0.00

Ordering Details

Part Number	Description
OPT-WA-100	16 channel Optical Wavelength Analyser



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