

# IVR-6121-OSA

## Optical DWDM channel monitor



IVR-6123-OSA optical DWDM channel monitor is compact and low-cost test alternative solution to optical spectrum analyzers for DWDM system. IVR-6121-OSA is developed to measure exact power, frequency, ONSR adaptable to DWDM network conditions. Information can be displayed in a graphic or table of results so that users can easily check the performance of each channel. It is ideal for the field application like installation, maintenance and upgrades for DWDM systems.

*Product images are for illustrative purposes only and may differ from the actual product.*

- Handiness and small, solid durable, flexible apply to the outdoor scene environment
- Fast start-up, high resolution and color touch display
- Identify all channels on DWDM networks and span the entire DWDM optical spectrum band
- Supports 50, 100 or 200 GHz channel spacing (according to ITU-T)
- View the power of the corresponding channels and the total composite of each band
- View the primitive power measurement of each wavelength
- Find the average power, wavelength and ONSR measurement for all channels
- Evaluate the Single-to-Noise Ratio of each Channel

## IVR-6121-OSA Series Specifications

SPECIFICATIONS				
Model	IVR-6121a	IVR-6121b	IVR-6121c	IVR-6121d
Channel Number	40	80	48	96
Wavelength Range	1529 - 1561 nm		1528 - 1568 nm	
Channel Spacing	50, 100, 200 GHz			
Absolute Wavelength Accuracy	± 50 pm			
Wavelength Resolution	20 pm			
Dynamic Range	45 dB			
Channel Power Range	-45 to +20 dBm			
Channel Power Accuracy	± 1.0 dB			
Channel Power Repeatability	± 0.1 dB			
Power Resolution	0.1 dB			
Adjacent Channel Imbalance	6 dB			
Non-Adjacent Channel Imbalance	10 dB			
Response Time	< 2 s			
Channel Input Power Measurement Range	-40 to +5 dBm			
Maximum Composite Power	20 dBm			
Return Loss	> 35 dB			
Sampling Points	512			
Display Mode	Table, Bar			
ONSR (Option)	21.5 dB			
ONSR Accuracy	± 2 dB (for 40 Gbps, ± 4 dB)			
PHYSICAL SPECIFICATIONS				
Temperature	Operating: -10°C to 50°C; Storage: -40°C to 70°C			
Relative Humidity	0% to 95% (non-condensing)			
Size (H×W×D)	80 mm x 135 mm x 250 mm			
Weight	1.1 kg			
Power Supply	According to Bellcore TR-NWT-001138 standar, lithium battery sustainable running 8 hours			

## IVR-6121-OSA Series Specifications

ORDERING INFORMATION		
Products	Model	Description
<b>Standard Configuration</b>		
Base Unit	IVR-6121a	40 Optical DWDM channel monitor
	IVR-6121b	80 Optical DWDM channel monitor
	IVR-6121c	48 Optical DWDM channel monitor
	IVR-6121d	96 Optical DWDM channel monitor
Battery	LB03V10S0103	One lithium polymer rechargeable battery apply to IVR-6100, 10.8V
Power Adapter	SA148A-15V	One 15V AC/DC power adapter apply to IVR-6100
CD-ROM	IVR1808_6121_CD	One IVR-6121 CD-ROM
Bag	IVRG6100	One IVR-6100 Instrument bag
Fiber	FCFC-0103	One FC/FC port, Single-mode simplex LC-LC, 9/125, 3 meters
<b>Optional Configuration</b>		
Functional Option	IVR-ONSRTTest	IVR-ONSRT test option for DWDM channels

● *InterVRE reserves the right to alter and amend the design, characteristics and specifications without notice or obligation.*

### Sales Contact and Technical Support

Tel: +52 5584374485 / +52 5621385218 / +52 5514749712

Email: [jessica.garcia@intervre.com](mailto:jessica.garcia@intervre.com) / [heber.vallejo@intervre.com](mailto:heber.vallejo@intervre.com)

Address: Av. Río Consulado 1674, Vallejo, Gustavo A. Madero, P.C. 07870, Ciudad de México, México

Web: [www.intervre.com](http://www.intervre.com)