

# IVR-OLS-5000-PON

## Optical Laser Source



The IVR-OLS-5000-PON can generate highly stable optical signals at multiple wavelengths to precisely measure optical link loss and identify optical fiber paired with the IVR-OPM-5000-PON Intelligent Optical Power Meter.

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

- 6dB adjustable power output range
- Automatic wavelength identification/switch
- Remote reference value setting
- FTTx applicable
- USB power charging
- No warm-up, quick start
- Backlight
- Over 40 hours continuous operation
- Pocketsize, lightweight and easy-to-use
- CE, FCC, FDA certificates

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## Functions

### 6dB Adjustable Power Output Range

Output power can be adjusted at minimum 0.01dB/step within a range of 6dB (NA at 650nm).

### Automatic Wavelength Identification / Switch

IVR-OLS-5000-PON can transmit digital encrypted signals through tested fiber to IVR-OPM-5000-PON which can automatically identify input wavelength and switch to the corresponding test mode. This feature greatly reduces the workload at both ends and avoids potential error. User can select the working wavelength and the IVR-OLS-5000-PON will automatically toggle between working wavelengths.

### Remote Reference Value Setting

The IVR-OLS-5000-PON can transmit digital encrypted signal with power parameters through tested fiber to IVR-OPM-5000-PON as reference for precise link loss measurement even if the two units are far apart.

### Compatible with FTTx

The IVR-OLS-5000-PON can generate highly stable signals at 1310nm, 1490nm, 1550nm and 1625nm wavelengths, compliant with Passive Optical Network (PON) and FTTx standards.

### Direct LCD Display of Output Power

The power value of the IVR-OLS-5000-PON output signal can be directly displayed on its LCD screen for easy reference.

## Specifications

Technical specifications					
Model	A	B	P	V	X
Wavelength ( $\pm 20\text{nm}$ )	1310/1550	850/1300	1310/1490/1550	650/1310/1550	1310/1550/1625
Spectrum Width	$\leq 5\text{nm}$				
Application Range	Multimode/Singlemode fibers				
Emitter Type	FP-LD@650,850,1300,1310,1550nm; DFB-LD@1490,1625nm				
Output Power	$\geq 3\text{dBm}@650\text{nm}$ ; $\geq -3\text{dBm}@850/1300/1310/1490/1550/1625\text{nm}$				
Power Stability	$\pm 0.05\text{dB}/15\text{min}$ ; $\pm 0.10\text{dB}/8\text{hr}@1310/1490/1550/1625\text{nm}$ ; $\pm 0.15\text{dB}/8\text{hr}@850/1300\text{nm}$				
Output Mode	CW, 1Hz@650nm; CW, 270Hz, 1KHz, 2KHz@850/1300/1310/1490/1550/1625nm				
Adjustment Range	6dB (NA at 650nm)				
Adjustable Steps	0.01/0.1/1dB				
Auto Wavelength Identification/ Switch	Yes (with IVR-OPM-5000-PON)				

## Specifications

General specifications	
Output Power Display	Yes
Connector	FC/PC (Interchangeable SC, ST)
Power Supply	Lithium Battery / AC Adapter
Battery Life	Continuous operation 40 hours; Standby 140 hours
Power Saving	Auto-off after 5 minutes idle
Operating Temp.	0°C ~ +50°C
Storage Temp.	-20°C ~ +70°C
Relative Humidity	0 ~ 95% (non-condensing)
Weight	315g (0.69 lbs)
Dimensions (H x W x T)	177×80×44mm (6.97×3.15×1.73 inch)

## Ordering Information

Standard Package	
1	IVR-OLS-5000-PON
1	Lithium battery
1	AC adapter
1	Soft carrying case
1	Warranty card
1	CE certificate
1	Certificate of calibration
1	User manual

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

## Sales Contact and Technical Support

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