

# IVR-VOA

## Variable Optical Attenuator



IVR-VOA handheld variable optical attenuator is used for continuously change the attenuation value of an optical signal. As the attenuator is used in the laser system for the on-line testing, it can be used in the digital system of communication devices such as DWDM, CWDM, Ethernet, SHD, PDH, OTN, CATV, and others.

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

- Stepwise attenuation with steps of 0.05 dB
- Display dB and dBm attenuation value function
- Activate/Deactivate 10 minutes auto-off function in keypad operation
- When shutting down the IVR-VOA, the instrument will keep the attenuation value and the attenuation step in order to restore the system back to the values that it had before it was turned off
- Portable, rugged, lightweight
- Easy to use

## Applications

- Telecom maintenance
- DWDM, CDWM, Ethernet, SDH, PDH, OTN, CATV applications
- Comprehensive cable construction system
- Optical instruments research and development
- Optical communication, education and lab testing
- Other optical projects

## Specifications

Type	IVR-VOA
Attenuating wavelength range	1260 ~ 1650 nm
Fiber model	9/125 um SM
Connector	FC / PC
Calibrated wavelengths	1310 / 1490 / 1550 / 1625 nm
Measurement range	2 ~ 60 dB
Resolution	0.05 dB
Minimize insertion loss	<2.0 dB
Linearity	±0.5 dB
Repeating	±0.2 dB
Attenuating accuracy	±0.8 dB
Return loss at Input / Output	>35 dB (typical value of 40 dB)
Max input	+20 dBm
Display type	128*64 black and white, white background light
Rechargeable batteries	8.4 V
Power supply adaptor	8.4 V
Operation temperature	0 ~ 40 °C
Operation time	40 hours
Storage temperature	-10 ~ 60 °C
Humidity	0 ~ 85 % (non-condensation)
Dimensions	180 x 90 x 36.5



*Top view with connectors*

## ***Standar package***

- IVR-VOA main body
- Protective rubber case
- Rechargeable battery
- Power supply adapter
- Instruction manual and cotton swabs
- Soft carrying case

● *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: [jesica.garcia@intervre.com](mailto:jesica.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)**