

OVA-50

Intelligent Optical Variable Attenuator



- ◆ Attenuation range: 2.5-60dB
- ◆ Direct output power control
- ◆ Working modes:
 - Output power control
 - Absolute/relative attenuation setting
 - Program (10 preset frequently-used attenuations)
- ◆ Adjust at step of 0.05/0.10/1.00/10.00 dB
- ◆ PC control via USB
- ◆ USB power charging
- ◆ Backlight
- ◆ Over 20 hours continuous operation
- ◆ Handheld, light and easy-to-use
- ◆ CE FCC certificates



OVA-50 Optical Variable Attenuator can precisely attenuate input optical signals at 1310/1490/1550/1625nm wavelengths and directly output defined stabilized optical signals. OVA-50 is applicable in various testing situations:

Application

- ◆ Network/BER testing
- ◆ Power meter calibration
- ◆ Link loss simulation
- ◆ Optical margin analysis

Direct Output Power Control

Normal attenuators can only introduce and display an attenuation value. You need a separate power meter to measure or adjust the output power value of an attenuated optical signal. Working like a combination of an attenuator and power meter, OVA-50 Output Power Control mode enables direct setting of precise optical power level and can automatically stabilize output level without any interference by variations of input power.

Program Mode

User can preprogram frequently-used attenuations to reduce workload.

Specifications

Model	OVA-50
Wavelength Range	1260~1650nm
Calibrated Wavelengths	1310/1490/1550/1625nm
Fiber Type	9/125μm Singlemode
Attenuation Range	2.5 - 60dB
Insertion Loss	<2.5dB
Max Input Power	+21dBm
Output Power Range ⁽¹⁾	+18 ~ -55 dBm
Setting Time	<3s
Display Resolution	0.01dB
Attenuation Accuracy	±0.25dB @+25°C (Output power control mode)
Repeatability	±0.25dB @+25°C
Return Loss	≥55dB
Connector	FC(Interchangeable SC,ST)
Power Saving	Auto-off after 5 minutes idle
Backlight	Yes
Power Supply	Li-Ion Battery/AC Adaptor
Battery Life	Continuous operation >20 hours
Operating Temperature	-20°C ~ 50°C
Storage Temperature	-40°C ~ 70°C
Relative Humidity	0~95% (non-condensing)
Weight	345g (0.7 lbs)
Dimensions (H x W x T)	177x80x44mm (6.97x3.15x1.73 inch)

Note: (1) Input power level should be at least 3 dB higher than selected output power level;
Input power variations in frequency range <0.5 Hz

* Specifications subject to change without notice

Ordering Information

Standard Package Includes:

Instrument, Lithium battery, AC adapter, USB cable, OVA software CD, Soft carrying case, Warranty card, CE certificate, Certificate of calibration, User manual.

