

OVA-50 Optical Variable Attenuator



Features

- ◆ Attenuation Range: 2.5-60dB
- ◆ Direct Output Power Control
- ◆ Working modes:
 - Output power control
 - Absolute/relative attenuation setting
 - Program (Preprogramming frequently-used attenuations)
- ◆ Adjust at step of 0.05/0.10/1.00/10.00 dB
- ◆ PC Control via USB
- ◆ Backlight
- ◆ Over 30 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:

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

➤ Direct Output Power Control

Normal attenuator can only introduce and display an attenuation value, you need a separate power meter to measure or adjust the output power value of attenuated optical signal. Working like a combination of 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.

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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/PC (Interchangeable SC,ST)
Power Saving	Auto-off after 5 minutes idle
Backlight	Yes
Power Supply	Li-Ion Battery/AC Adaptor
Battery Life	Continuous operation >30hours
Weight	345g (0.7 lbs)
Dimensions (H × W × T)	177×80×44mm (6.97×3.15×1.73 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 Configuration:

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

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