OVA-50

Intelligent Optical Variable Attenuator

FTTx

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.

Features

- 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 30 hours continuous operation
- Handheld, light and easy-to-use
- CE FCC certificates

Application

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

Program Mode

User can preprogram 10 sets frequently-used attenuations to reduce workload.

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.

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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 >20 hours
Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 70°C
Relative Humidity	0~95% (non-condensing)
Weight	345g (0.7 lbs)
Dimensions (H × W × T)	177×80×44mm (6.97×3.15×1.73 inch)

Note: (1) Input power level needs to 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

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For More Information:

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