JILONG
Since 1993



Optical Attenuator OVA-43

- 5000mAh High-capacity Battery
- RJ45:Wire sequencing
- Customizable Calibration Wavelengths
- 4.3-inch Touch Screen
- Handheld, Compact and Light
- Lighting

OVA-43 Optical Attenuator



Optic Attenuator is a passive device used to reduce optical signal power. It achieves power adjustment by absorbing, scattering, or reflecting light energy. Its primary applications include preventing receiver overload, balancing optical power across multiple channels, and simulating long-distance transmission loss.

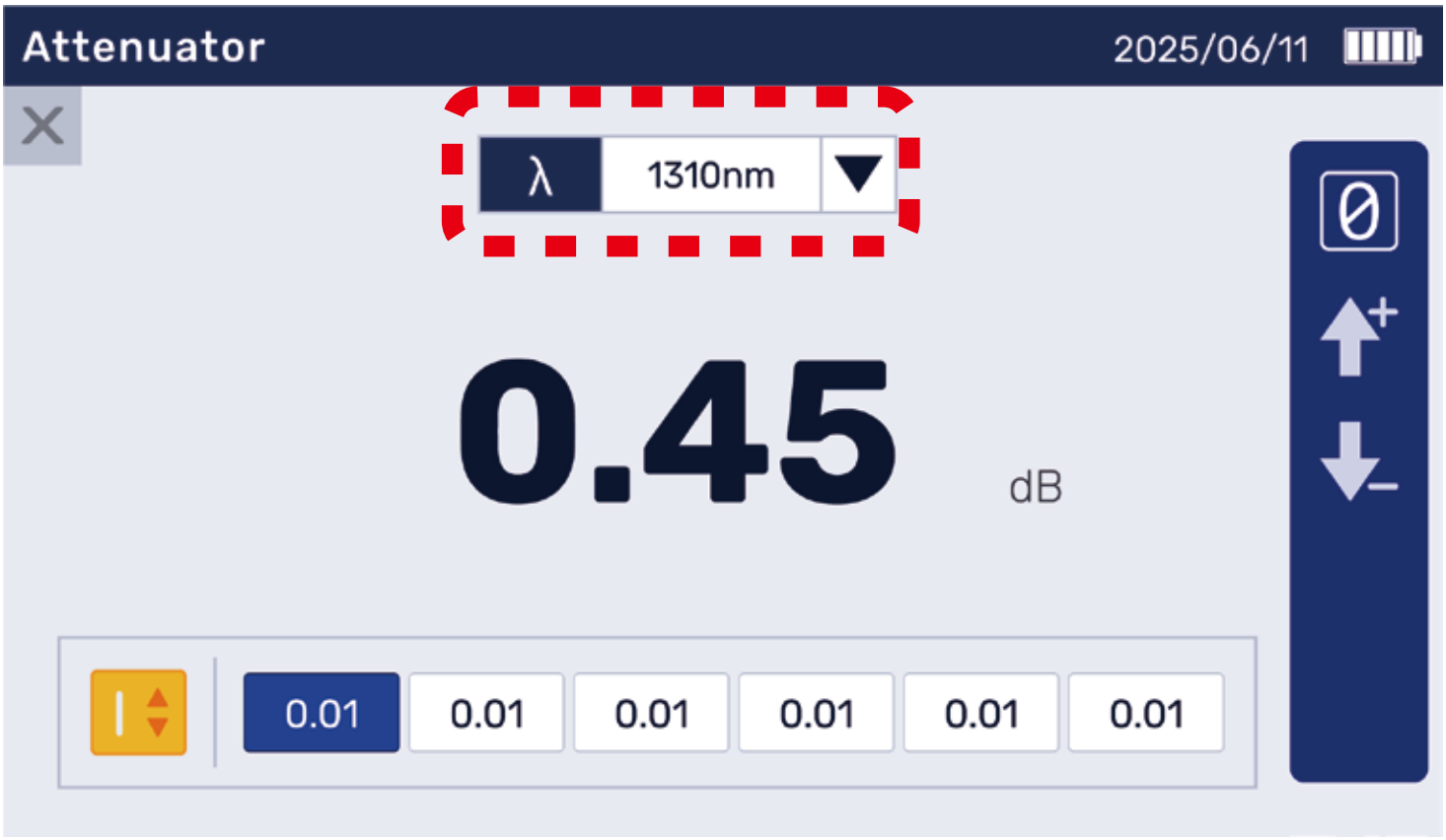
Maximum Attenuation



Maximum Attenuation ***40***dB***/80***dB

Attenuation Resolution ***0.01***dB

Calibration Wavelength



Calibration Wavelength ***1310/1550*** (nm) Customization Available

RJ45 Wire sequencing

Ensure precise wire sequencing. Design of signal transmission interface plug-and-play to avoid loss.



4.3-inch Capacitive Touch HD Screen



Application scenarios



Optical Communication System Power Equalization



Laboratory Optical Device Performance Testing



Fiber Optic Sensing Network Signal Conditioning

5000mAh High-capacity Battery



Built-in lighting for easier operation



Type-C Charging



All-Body Shock-Absorbing Rubber Casing



SC (Standard Configuration)



Product Configuration

① Carrying Casex1

② OVA-43x1

③ Power Cord x1

④ RJ45 Remote Module x1

⑤ Shoulder Strap x1



Product Display

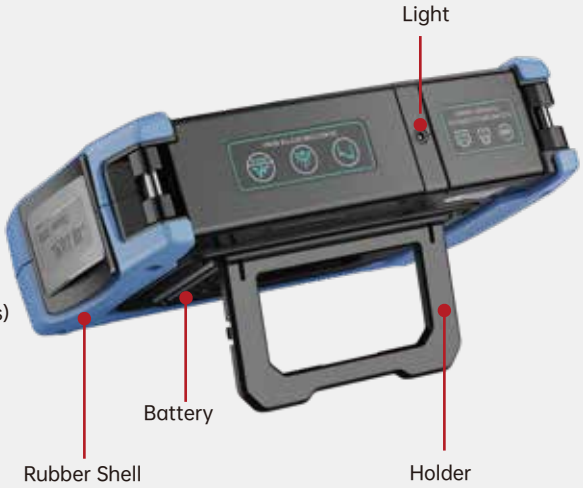
Front

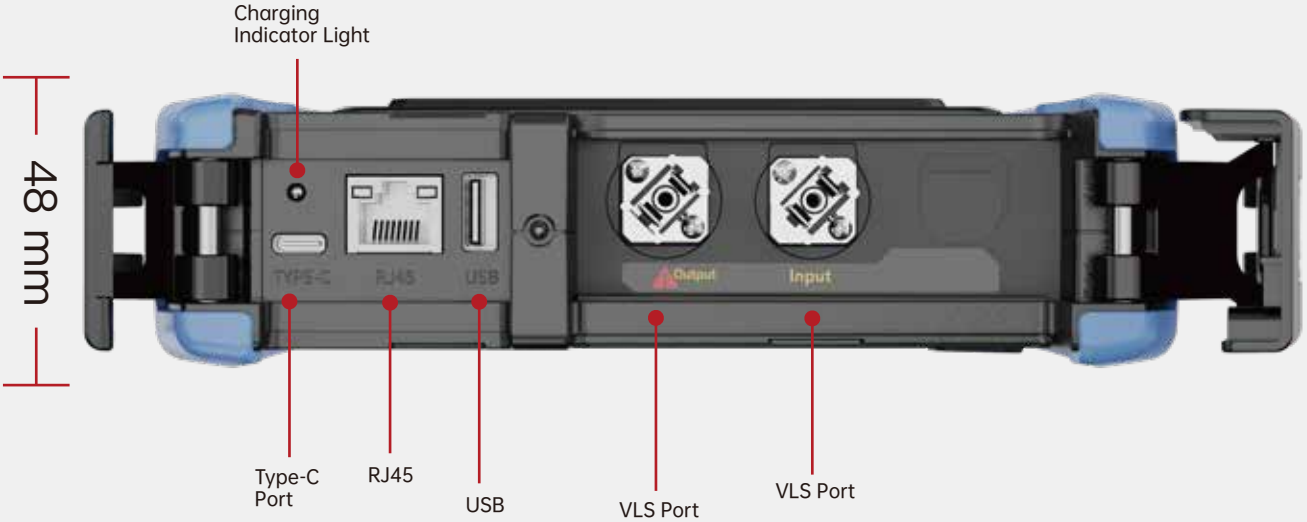


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Parameters

Attenuator Parameters		
Calibration Wavelength	1310/1550（nm）	
Peak Attenuation	40dB	80dB
Insertion Loss	⩽2dB	
Resolution Ratio	0.01dB	
Attenuation Error	±0.2dB	
Repeatability	±0.1dB	
Maximum Input Power	24dBm	
Working Temperature	–10~+50（℃）	
Storage Temperature	–20~+60（℃）	
Automatic Shutdown Time	10min	
RJ45 Networks Test		
Wavelength (nm)	CAT5、CAT6	
Distance of Cable Collationl:	300m	
Distance of emitting signal:	300m	
General Parameters		
Language	English, Chinese, Spanish, French, Portuguese, Russian, Thai, Korean	
Optical Fiber Port	SC/UPC	
Display Screen	4.3–inch color LCD display screen	
Port	Charging port x 1, USB 2.0 x 1, RJ45 x 1	
Working Temperature	–10 – 50 ˚C (0–40 ℃ for use with power, 0 to 35 ℃ battery charging)	
Storage Temperature	–20 to 60 ˚C	
Height	4000 m	
Humidity	0 to 90% RH	
Power Mode	5V, 3A(DC adapter)	
Battery	3.7V,5000mAh,⩾18.5Wh	
Lighting	Light Intensity>15000mcd	
Data Storage	Memory: 1000 power measurement records External Storage: USB	
Size	179 mm (W) × 112 mm (H) × 48 mm (D)	
Weight	0.6 kg (Unit + Battery)	

Note: All specifications are based on measurements with a new battery at 23˚C ± 2˚C.

Contact us

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