

# SAT-9B

## Digital Optical Variable Attenuator

**AITELONG**™  
Keeping your system safe and running!



**S**AT-9B Digital Optical Variable Attenuator is applied to the attenuation of continuous optical signal power.

### Key Features

- ◎ Application for multi wavelengths
- ◎ Automatic power-off, and low battery alarm
- ◎ Smart memory function of current setting
- ◎ Attenuation step-length: 0.05dB, 0.1dB, 1.0dB, and 10dB
- ◎ Set attenuation value by single step and continuous step
- ◎ High optical resolution of 0.01dB
- ◎ Good linearity, high accuracy, low insertion loss
- ◎ Exquisite appearance, small size, durable design, reliable performance, and apply to various environments
- ◎ Rechargeable Li-ion battery

### Technical index

Parameter	Unit	Technical Index	
Model		9B01	9B02
Wavelength range	nm	800~1700	
Standard wavelength	nm	1310, 1550	1310, 1490, 1550
Measuring range	dB	0~60	
Max optical input power	dB	26	
Measuring accuracy		0~30dB: ±0.2dB, 30~50dB: ±0.3dB, 50~60dB: ±0.5dB	
Insertion loss		≤3.0dB	
Return loss		≥50dB	
Optical interface		FC, ST, SC typed connector	
Resolution	dB	0.01dB	
Power supply		2×3.7V(700mAh) AA Lithium rechargeable batteries; Continuous testing time: 20 hours	
Linearity		≤±0.2	
Power consumption	mW	300 mW	
Working temperature	℃	-10~+50	
Storage temperature	℃	-40~+70	
External dimensions	mm	140×72×38mm	
Weight	Kg	0.25	



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