

# SAT-9B

## Digital Optical Variable Attenuator

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



- ◎ Multi-wavelength application
- ◎ Automatic power-off. Low battery alarm.
- ◎ 4.5 bit liquid crystal display (LCD)
- ◎ It is allowed to set up step length correspondingly: 0.01dB, 1.0dB, and 10dB.
- ◎ Memory of current setting.
- ◎ Attenuation value can be set up at single step or continuously

**S**AT-9B Digital Optical Variable Attenuator is mainly used for the attenuation of continuous optical signal power, whose core components are imported high-performance ones to enable it to have the ability of quick regulation of attenuation value with good linearity, high accuracy, low insertion loss and attenuation locating, etc.

The body of SAT-9B products is designed to the demand of human engineering. With advanced double colors rubber coating technics applied, the instrument looks attractive in shape, and is durative, reliable, easy to use, and suited to several working atmospheres.

### Technical index

Parameter	Unit	Technical Index	
		9B01	9B02
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 × 1.2V(2300mAh) AA nickel-hydrogen rechargeable batteries; Continuous testing time: over 5 hours	
Linearity		≤ ±0.2	
Power consumption	mW	300 mW	
Working temperature	°C	-10~+50	
Storage temperature	°C	-40~+70	
External dimensions	mm	140 × 72 × 38mm	
Weight	Kg	0.25	



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