

# Portable Variable Optical Attenuator

make your optical networks more reliable



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OAT-HD Series Attenuator is a kind of portable design with LCD display. It allows continuous optical attenuation up to 60dB and maximum input power up to 23dBm. Flexible power supply is optional while using the product. It can be used whether in laboratory or in field for various optical test.

## Features

- High accuracy
- Flexible power supply
- High stability and reliability
- Wide dynamic range

## Applications

- CATV System
- Telecommunications
- Other Optical Testing

## Specifications

Parameter	Unit	Value		
		OAT-HD-1A	OAT-HD-1B	OAT-HD-2A
Wavelength	nm	1310 & 1550	1310 & 1550	850
Range	dB	60		
Insertion Loss	dB	≤2.0, Typical 1dB		
Reflectance	dB	≥40		
PDL	dB	Typical 0.05, Maximum 0.15		
Accuracy	dB	±0.5		
Maximum Input Power	dBm	20	23	20
Resolution	dB	Typical 0.01, Maximum 0.02		
Repeatability	dB	±0.1	±0.15	±0.1
Operation Temperature	°C	-10~+50		
Storage Temperature	°C	-10~+60		
Optical Port		FC/PC(female)		
Fiber Type		SMF	SMF	MMF
Power Supply		1.5V dry battery, power adapter, 1.2V NiMH rechargeable battery (Option), DC 6V adapter		
Package	mm	210 × 100 × 40		

## Ordering information

OAT — HD —	
	Wavelength
	1A: 1310 & 1550nm normal type
	1B: 1310 & 1550nm high power type
	2A: 1310 & 1550nm normal type

### Optional accessory

001	LCD background light
002	SC/PC adapter
003	2 × (AA size) 1.2V rechargeable battery + DC 6V adapter
004	FC / PC~FC/APC fiber cable(0.5m)
005	SC / PC~SC/APC fiber cable(0.5m)