

# SAT-6C

Series Optical Fiber Identifier

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



## Major Functions

- ◎ identify multiple signal frequencies, i.e. 270Hz, 1 KHz and 2 KHz.
- ◎ Display the intensity of optical signal. Low electricity indication.
- ◎ Show the direction of optical transmission.
- ◎ Adapter is available for bare fibers and tail fibers.
- ◎ The optical fiber identifier have such types as 250um/900um coated fibers and 2mm to 3mm pigtailed bridle wire.

*With the “Hong wan” testing technique of low insertion loss incorporated*

According to the current situation of optical fiber communication, The SAT-6C Series Optical Fiber Identifier with the feature of small and handy structure, portability, and easy operation.

## Wildly Used

- ◎ The optical fiber identifier is widely used in the construction and maintenance of optical cable, optical fiber communication, and optical fiber CATV, etc.
- ◎ The optical fiber identifier can definitely distinguish optical signals in fibers while service is going, and the fibers aren't excessively pressed.
- ◎ The optical fiber identifier can be used to detect dull fibers, the direction of signal transmission in fibers, the fibers with the modulation signal (discriminate tone) and the intensity of optical signal or power display. At the time of installation, incision/fusion, maintenance and repair of optical fiber system as well as maintenance in equipment room,

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### Technical index

Model	SAT-6C01	SAT-6C02
		
LED display	No Signal, direction, frequency (270Hz, 1kHz, 2kHz) intensity(class5), and low power indication.	No Signal, direction frequency (270Hz, 1kHz, 2kHz) power display And low power indication.
Detecting Range	-38~+20dBm (1310nm) , -40~+20dBm (1550nm)	
Range of wavelength for identification	800~1700nm	
Type of signal for identification	CW, 270Hz±10%, 1kHz±10%, 2kHz±10%	
Type of detector head	InGaAa	
Detecting sensitivity	-55dBm at a minimum	
Applicable optical fiber specification	H 0.25 bare fiber; H0.9/H2.0/H3.0 tail fiber	
Battery	Two AA 1.5V dry batteries	
Insertion loss	H 0.25~H 0.9: 0.3 dB, H 2.0~H 2.5: 0.5dB, H 2.5~H3.0: 1.0 dB	
Working time	≥8 hours	

### Physical and Ambient Parameters

- ◎ Working temperature: -10~50℃
- ◎ Storage temperature: 20~60℃
- ◎ Relative temperature: 0~95% (frost free)
- ◎ Dimensions: 200\*80\*40mm (L\*W\*H)
- ◎ Weight: 0.2kg

### Standard Configuration

- 1) SAT-6C optical fiber identifier, 1 set
- 2) Bundle accessories
  - ◎ AA battery: 1.5V, 2 PC
  - ◎ H0.25 adapter: 2 PC
  - ◎ H0.9/2.0 adapter: 2 PC
  - ◎ H3.0 adapter: 2 PC
  - ◎ Screwdriver: 2 PC
  - ◎ User' s manual: 2 PC



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