

## SAT-18C Palm OTDR

SAT-18C palm OTDR is the newest instrument designed for testing FTTx network. It is mainly used to measure the physical characteristics of optical fiber, such as the length, the transmission loss and the splice loss etc. It can also locate the faults or breaks of optical fiber. It is widely applied in the manufacture, construction and maintenance in optical fiber communication system.

### Key Features:

- Handheld, light weight and convenient for carrying
- The most advanced technology of double-color & material integrative mould in aspect
- Advanced anti-reflective TFT LCD, display interface can be clearly seen in field
- It has auto test, manual test and real time test
- Speed curve analysis, and multiple curves comparison.
- 1.6m extra-short event dead zone
- Visual fault locating (VFL)
- Universal FC/SC/ST connector type, it is convenient for surface cleaning
- USB interface supports USB flash disk to transfer data.
- SD card interface supports SD card to transfer data.
- Machine memory can save 1000 data, support manual and auto save data.
- Support Bellcore GR196 and SR-4731 format
- Battery status indication, and low battery power alarming
- Built-in lithium battery with work up to 10 hours
- Automatic turn-off, turn-off time can be adjustable



## Specifications

Model	SAT-18C1	SAT-18C2	SAT-18C3
Central wavelength(nm)	1310/1550		
Type of optical fiber	SM		
Dynamic range(SNR=1)	26/24dB	30/28dB	35/34dB
Distance measurement accuracy	1m+sample space +0.003%×measurement distance		
Event dead zone(m)	1.6/1.6		
Attenuation dead zone(m)	4.5/5		
Distance range(km)	0.8,1.6,3.2,6.4,12.8,25.6,51.2,102.4,204.8,409.6		
Pulse width(ns)	8,16,40,80,160,320,640,1280,2560,5120,10240,20480		
Loss threshold(dB)	0.01		
Sampling points	128000		
Linearity(dB)	±0.03		
Wave pattern memory space	>1000		
Group refractive index setting	1.00000~2.00000		
Display	320×240, 3.5 inch TFT color LCD touch screen		
Interface	USB, SD card		
Optical connector	FC/PC(ST,SC standard)		
VFL and interface	power: 2mw; distance: 5Km; FC/PC(universal interface)		
Power supply	AC/DC adapter: Input: AC 100V~240V, 50/60Hz Output: DC 12V/6A Battery: rechargeable lithium cell 7.4V, 4400mAh, battery working time: 10 hours(normal temperature)		
Ambient environment	Working temperature: -10°C~50°C(battery charging: 5°C~40°C) Storage temperature: -40°C~70°C(not include battery) Humidity: 5%~95%, non-condensing		
Dimension	201mm×100mm×60mm		
Weight	1kg		