SAT-18C
Handheld OTDR

AITELONG
Keeping your system safe and running!

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
◎ Support Auto Test, Manual Test and Real Time Test functions.
◎ Speed curve analysis, and multiple curves comparison.
◎ 1.6m extra-short event dead zone
◎ Visual Fault Locating
◎ Universal connector support FC/SC/ST types, it is convenient for surface cleaning
◎ SD card interface supports SD card to transfer data.
◎ Support Bellcore GR196 and SR-4731 format
◎ Battery status indication, and low battery power alarming
◎ Replaceable lithium battery support up to 10 hours working time.
◎ Energy save function, and adjustable automatic turn-off time.

SAT-18C Handheld 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.

Specifications

Model	SAT-18C1	SAT-18C2
Central wavelength(nm)	1310nm±20nm / 1550nm±20nm	
Type of optical fiber	SM	
Dynamic range(SNR=1)	28dB/26dB	32dB/30dB
Distance measurement accuracy	1m+sample space +0.003%×measurement distance	
Event dead zone(m)	3	
Attenuation dead zone(m)	15	
Pulse width(ns)	10ns, 25ns, 50ns, 100ns, 250ns, 500ns, 1μs, 2.5μs, 5μs, 10μs	
Display	3.5 inch color LCD	
Interface	USB, SD card	
Optical connector	FC/PC, SC/PC	
VFL Power	1mW	
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℃~50℃(battery charging: 5℃~40℃) Storage temperature: -40℃~70℃(not include battery)	
	Humidity: 5%~95%, non-condensing	
Dimension	200mmX100mmX58mm	
Weight	1kg	