

# SAT-18C1

## Palm OTDR

SYNERGY TELECOM PVT LTD



**S**AT-18C1 palm OTDR is the newest instrument designed for testing FTTx network. It's mainly used to measure the physical characteristics of optical fiber under test, such as the length, the transmission loss and the splice loss etc.. It can also locate the faults or breaks of optical fiber. It's widely applied in the manufacture, construction and maintenance in optical fiber communication system.

### Major Features

- ◎ handheld, light weight and easy 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
- ◎ 1.6m extra-short event dead zone
- ◎ High-speed auto measurement, one-button operating
- ◎ USB interfaces, supporting USB stick
- ◎ Supporting Bellcore GR196 file format
- ◎ Intelligent indicate the battery power and low battery alarm
- ◎ Built-in lithium battery work up to 10 hours
- ◎ Visual fault locating (VFL)
- ◎ Universal FC/SC/ST connector type, it's convenient for surface cleaning
- ◎ Unique function of updating system on-line, returning to factory is for upgrading

### Specifications

Center wavelength	1310nm/1550nm ±20nm
Type of optical fiber	SMF
Dynamic range	30 / 28dB
Distance measurement accuracy	±(1m + sample space + measurement distance×0.003%)
Event dead zone	≤1.6m
Distance range	0.8, 1.6,3. 2, 6.4, 12.8, 25.6, 51.2 ,102.4, 204.8, 409.6km
Pulse width	8,16,40,80,160,320,640,1280,2560,5120,10240,20480ns
Loss threshold	0.01dB
Sampling points	128000
Linearity	±0.03dB/dB
Memory capacity	>1000traces
Group refractive index setting	1.00000 - 2.00000 (0.00001 steps)
Display	Color Touch Screen
Interface	USB, SD card
Optical connector	FC/UPC (optional :SC/ST)
VFL	650nm ± 10nm,2mW(typical)
Language	English,
Power supply	Adapt: input AC 100-240V 50/60Hz,1.5A output DC 12V 5A, Built-in Lithium battery:4400mAh,7.4V,operating time≥10 hours3
Dimension	L×W×H:201×100×60(mm)
Weight	1kg Approx.