

ZC6000-SM1 OTDR Specification

Features

1. Fiber Type:Single-Mode Fiber&Multi Mode(optional)
- 2.OPM+LS+VFL+Event map+ OLT multi function in 1 machine
- 3.Test Range:80-140KM
- 4.Ranging accuracy: $\pm(0.75\text{m}+\text{sampling interval}+0.005\% \times \text{test distance})$
- 5.Date storage:2000 touch screen

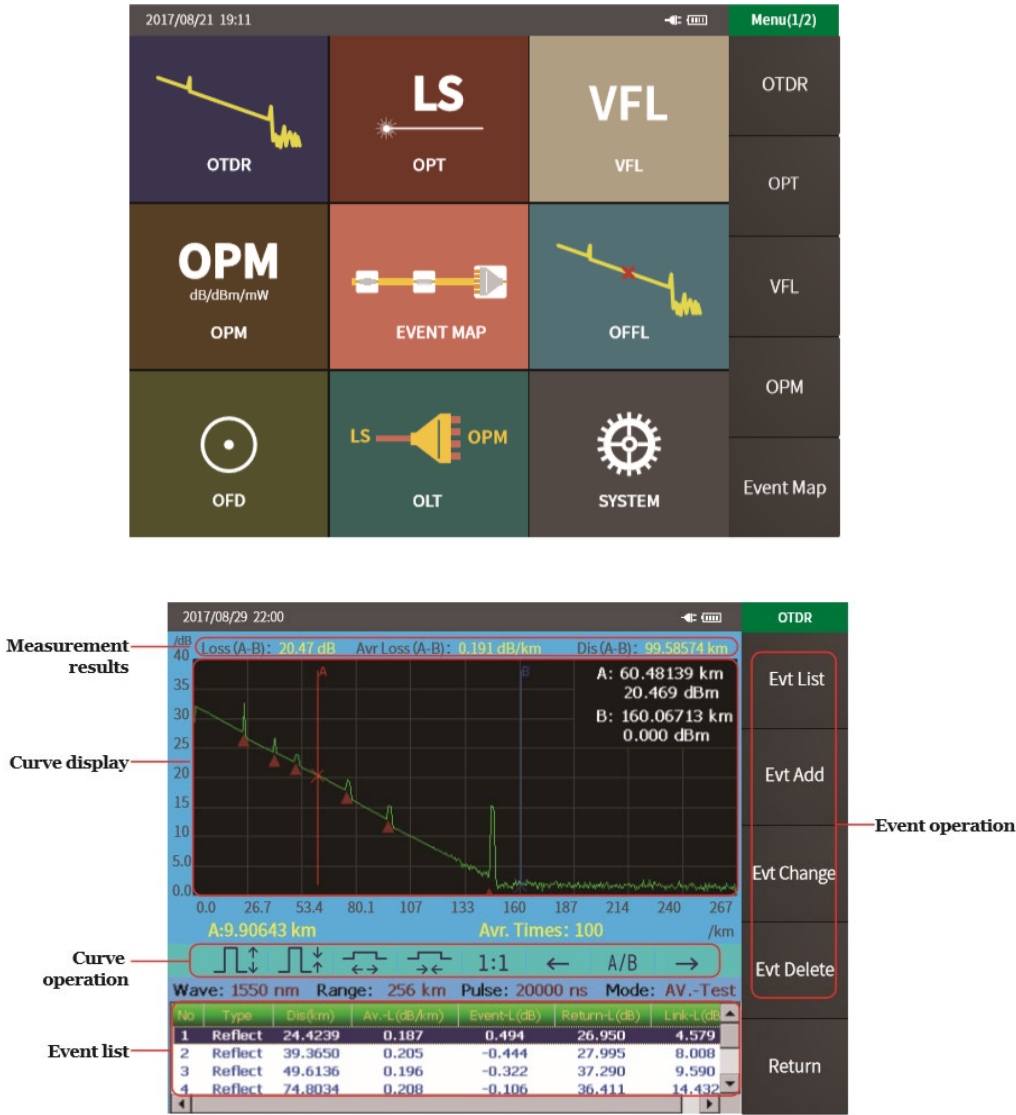


Model	Multi-Function Optical Time Domain Reflectometer
	ZC6000-SM1
Fiber Type	SM+MM
Display	5.8 inch color LCD with touch screen
Wavelength	850/1300nm+ 1310/1550nm
Maximum dynamic range	26/30 dB(80-100km)+37/35dB(120-140km)
Event blind zone	1m

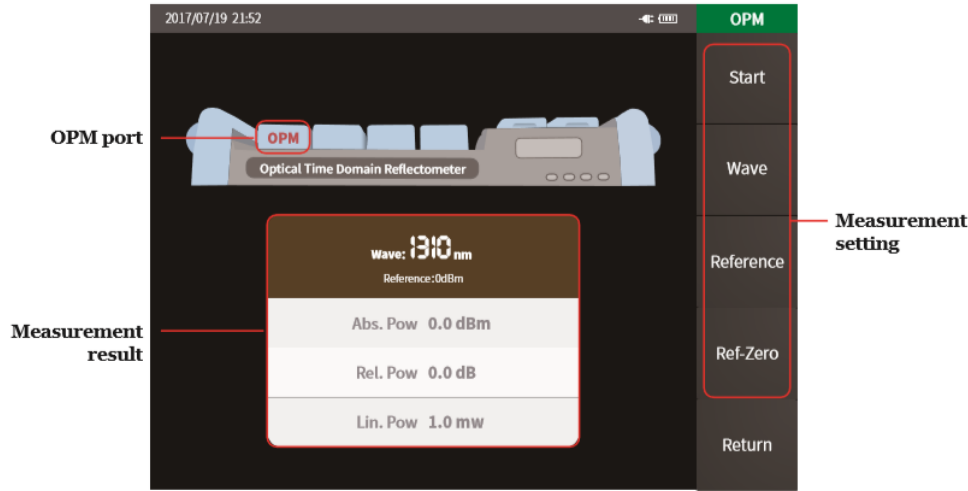
Attenuation dead zone	6m
Measuring range	500m /1km /2km /4km /8km /16km /32km /64km /128km /256km
Measuring pulse width	5ns / 10ns/ 50ns/ 160ns/ 320ns/ 500ns/ 1000ns/ 5000ns/ 10000ns/ 20000ns
Ranging accuracy	$\pm(0.75m + \text{Sampling interval} + 0.005\% \times \text{Test distance})$
Loss precision	$\pm 0.05\text{dB/dB}$
Reflection accuracy	$\pm 3\text{dB}$
Data storage	≥ 2000
Interface type	FC / PC (Replaceable SC/ST)
Communication interface	USB, mini-USB, 10M/100M Ethernet
VFL output	$\geq 5\text{mW}$
LS output	$\geq -5\text{dBm}$
OPM	+26dBm $\sim$ -50dBm (Replaceable : +6dBm $\sim$ -70dBm)
Power supply mode	AC/DC Adapter : AC : 100V $\sim$ 240V, 50/60Hz, 0.6A; Lithium battery : 8.4V 6700mAh
Operating temperature	-5°C $\sim$ 50°C
Storage temperature	-20°C $\sim$ 70°C
Relative humidity	0 $\sim$ 95% Non condensation
Weight	$\leq 1.1\text{kg}$
Volume	227mm×160mm×70mm

We also have 850/1300nm type and 1310/1550nm separate type OTDR.

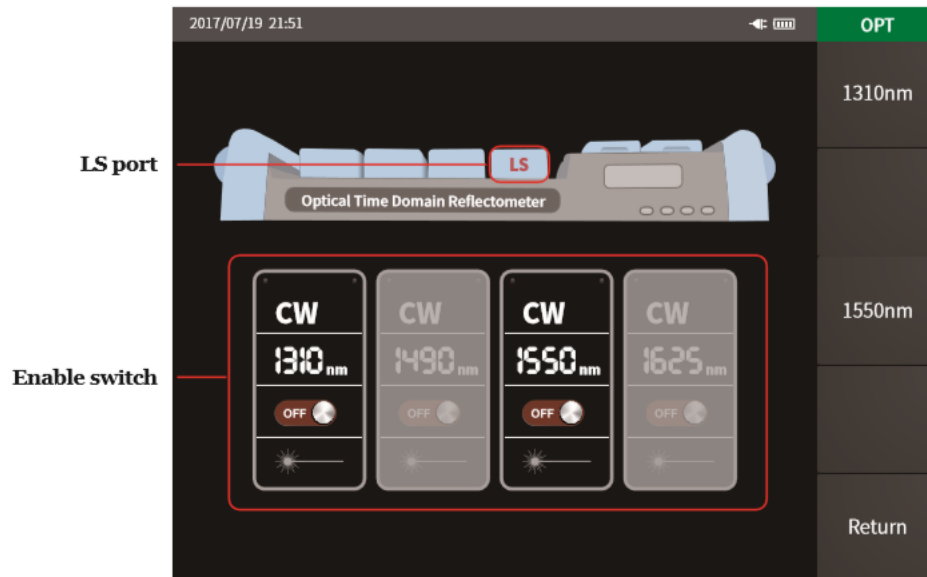
Display<Instrument main interface



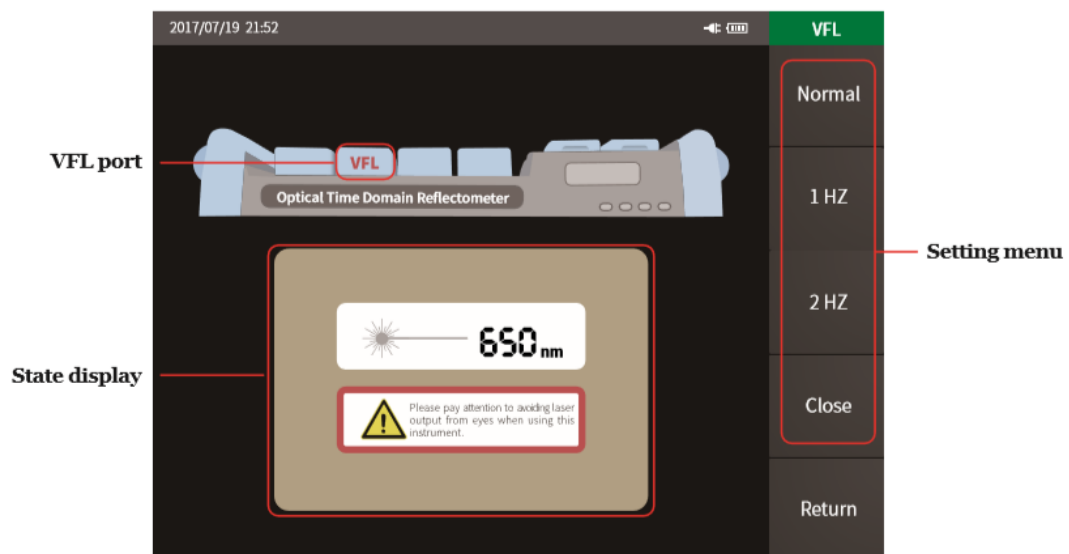
Optical power meter(OPM)



Laser source (LS)



Visual fault location (VFL)



Packing list

Num	Name	Quantity
1	OTDR host	1
2	AC/DC power adapter	1
3	Cortical handle	1
4	U disk (containing client simulation analysis software)	1
5	Touch pen	1
6	Data line	1

7	OTDR SC Transfer interface	1
8	OPM SC Transfer interface	1
9	User's Manual	1
10	Test Report	1
11	Warranty card and Certificate	1
12	Clean cotton swab	1
13	Special backpack for instrument (containing suspenders)	1