



SISCO-OTDR-FC290 Smart Handheld OTDR

Smart OTDR

OTDR/ OPM/ OLS/ VFL

Touch Screen

 <p>OTDR: 0-60KM</p>	 <p>VFL: 10mw</p>
 <p>OPM: 850/1300/1310/ 1490/1550/1625nm</p>	 <p>OLS: 1310/1550nm</p>



The image shows a black handheld device with a color touch screen. The screen displays a grid of six icons: OTDR (green), Visual Fault Locator (blue), Optical Power Meter (red), Light Source (yellow), Setting (light blue), and Files (purple). The device has four ports at the top labeled VFL, OPM, OLS, and OTDR. Below the screen is a keypad with function keys (F1-F4), OFF, ESC, OK, and a numeric keypad.



Functions:

1. OTDR: 1310/1550nm, 22/20dB, 0-60km
2. Optical Power Meter: -70~+10dbm or -50~+26dbm
3. Visual Fault Locator: $\geq 10\text{mw}$
4. Optical Light Source: 1310/1550nm, $> -5\text{dBm}$

Description

SISCO-OTDR-FC290 Smart handheld OTDR is portable fiber fault locator, it is quickly to detect fault location and type of optical fiber using OTDR element and stronger software analysis tool.

Main Features

- Lightweight, portable, cost-effective.
- one key operation, legible test data.
- Integrated with visual fault locator system, it is easily to detect fault location of dead zone.
- Use the rubber Key, good dustproof, waterproof, quakeproof ability, suitable for field maintenance work.
- Use big capacity battery, long working time, suitable for long time field working.
- Suitable for engineer construction and maintenance fault location of FTTx and access network.



Specifications

1. OTDR

Type	TM290
Wavelength	1310/1550nm
Dynamic Range	22/20dB
Measure distances	0-60km
Fiber type	SM
Type of Fiber	9/125um Single-mode optical fiber
Type of Connectors	FC/PC/ (FC/APC Connector can be customized)
Peak Value of laser	$\geq 30\text{mW}$
UOM of Measurement	Meter, Feet, Mile
Dead Zone of Reflection Event	2m
Dead Zone of attenuation Event	12m
Accuracy Distance (Reflection Event)	About $\pm (1\text{m} + 2 \times 10^{-4} \times \text{distance})$
Number of test records saved	200
Power Supply	7.4V Li-ion Battery 4400mAH
Battery working time	$\geq 5,000$ times of measurements
Temperature	Operate: $-5 \sim 50$, Store: $-10 \sim 60$
Humidity	0~85% (Non-condensing)
Weight(g)	300

2. Visual Fault Locator

Wavelength	650nm
VFL Output Power	$\geq 10\text{mW}$
Mode	CW, 1Hz, 2Hz
Fiber type	SM/MM

3. Optical Power Meter

Measurement range dBm	-70~+10 dBm	-50~+26 dBm
Wavelength range (nm)	800~1650	
Calibrated wavelength	850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm (other wavelength will be on request)	
Detector	InGaAs	
Accuracy	$\pm 3\%$ (-10dBm, 22°C)	
Resolution	Linearity: 0.1%, Non-linearity: 0.01dBm	
connector	Changeable FC/PC SC/PC, (ST as Optional)	



4. Optical Light Source

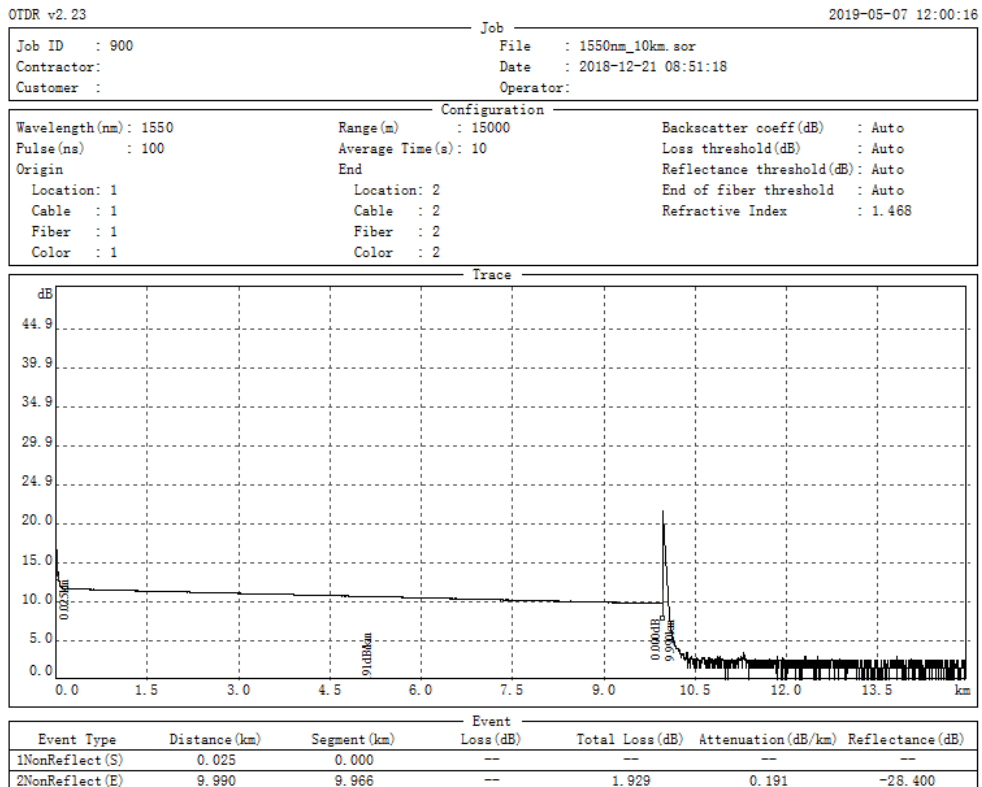
Emitter	FP-LD
wavelength (nm)	1310/1550nm
Connector	FC/PC (SC/ST as optional)
Output power	≥ -5 dBm
Output stability(dBm)	± 0.04 @20°C @15min
Modulation	CW/270Hz/1KHz/2KHz
Fiber type	SM

5. Software



The software can open, print preview, and print curves through files. Through the report wizard, you can set to print multiple test curves per page. The test report is shown as below:

OTDR REPORT



Packing Information:

NO	Name	Qty
Standard accessories		
1	OTDR with FC/UPC connector	1
2	AC/DC Charger	1
3	CD (software and user manual)	1
4	Test Report	1
5	Softcase	1
Optional Accessories		
1	SC connector for OTDR Port	USD6/PC
2	ST connector for OTDR Port	USD6/PC
3	SC/ST Connector for OPM port	USD5/SET

Detailed Pictures:

