

Elfcam ELF-290 Smart OTDR



Product Details

ELF-290	1310/1550nm, 24/22dB	Touching screen
---------	----------------------	-----------------

Elfcam SARL, 24 Avenue de l'Epi d'Or, Villejuif 94800, France
Email: contact@elfcams.com Tel: +33 747755099

Functions

1. OTDR: 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 , $\geq -5\text{dBm}$

Description

ELF-290 Smart handy 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	ELF-290
Wavelength	1310/1550nm
Dynamic Range	24/22dB
Active Test	No
Measure distances	0-60km
Fiber type	SM
Type of Fiber	9/125um Single-mode optical fiber
Type of Connectors	SC/APC, FC/UPC
Peak Value of laser	$\geq 30\text{mW}$
UOM of Measurement	Meter,Feet,Mile

Elfcam SARL, 24 Avenue de l'Epi d'Or, Villejuif 94800, France

Email: contact@elcams.com

Tel: +33 747755099

Dead Zone of Reflection Event	2m
Dead Zone of attenuation Event	12m
Accuracy Distance (Reflection Event)	About + $\sqrt{(1m+2 \cdot 10^{-4}) \cdot \text{distance}}$
Number of test records saved	100
Power Supply	8.4V Li-ion Battery 4400mAH
Battery working time	$\geq 5,000$ times of measurements
Temperature	Operate : -5~50 , Store: -10~60
Humidity	0~85%(Non-condensing)
Weight(g)	300

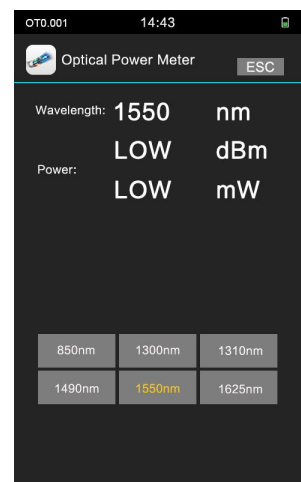
2. Visual Fault Locator

Wavelength	650nm
VFL Output Power	$\geq 10\text{mW}$
Mode	0Hz, 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	$\leq \pm 3\%$ (-10dBm、22°C)	
Resolution	Linearity: 0.1%, Non-linearity: 0.01dBm	
connector	Movable FC/PC SC/PC, (ST as Optional)	



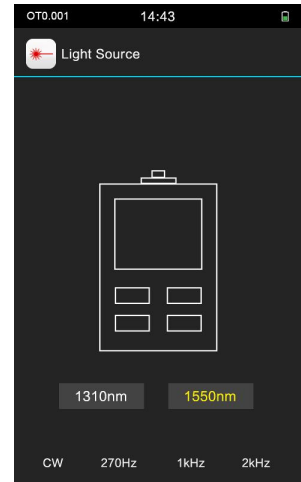
Elfcam SARL, 24 Avenue de l'Epi d'Or, Villejuif 94800, France

Email: contact@elcams.com

Tel: +33 747755099

4. Optical Light Source

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



Detailed Pictures



Elfcam SARL, 24 Avenue de l'Epi d'Or, Villejuif 94800, France

Email: contact@elcams.com

Tel: +33 747755099

Product List



NO	Name	Qty
Standard accessories		
1	OTDR with SC/APC connector	1
2	AC/DC Charger	1
3	CD (software and user manual)	1
4	User manual	1
5	Test Report	1
6	Softcase	1
7	SC Connector for OTDR Port	1
8	SC Connector for OPM port	1
9	Operation tips card	2

Elfcam SARL, 24 Avenue de l'Epi d'Or, Villejuif 94800, France

Email: contact@elcams.com

Tel: +33 747755099