

TM290 Smart OTDR



Ordering Details

TM290D	1310/1550nm, 24/22dB	Touching screen
TM290D	1310/1550nm, 26/24dB	Touching screen,
TM290SF-15(with filter)	1550nm, 20dB	Touching screen, support active test
TM290SF-16(with filter)	1610nm, 20dB	Touching screen, support active test

Function

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

TM290 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.

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

Specification

1.OTDR

Dead Zone of Reflection Event	2m
Dead Zone of attenuation Event	12m
Accuracy Distance (Reflection Event)	About $\pm(1m+2 \times 10^{-4} \times \text{distance})$
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

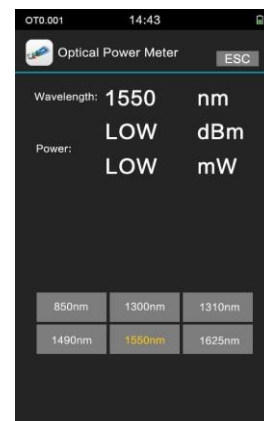
2.Visual Fault Locator

Wavelength	650nm
VFL Output Power	$\geq 10\text{mW}$
Mode	0Hz, 1Hz, 2Hz
Fiber type	SM/MM



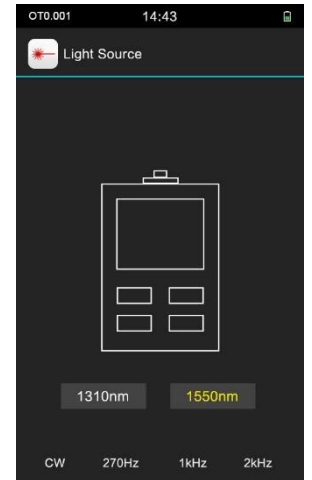
3.Optical Power Meter

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)	



4. Optical Light Source

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



Detailed Pictures





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	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
	Optional Accessories	
1	ST connector for OTDR Port	1
2	ST Connector for OPM port	1

Model	TM290D	TM290D	TM290SF-15	TM290SF-16
Wavelength	1310/1550nm	1310/1550nm	1550nm	1610nm
Dynamic	24/22dB	26/24dB	20dB	20dB
Test Length	60km	60km	60km	60km
Active Test	×	×	√	√
OLS	√	√	√	√
OPM	√	√	√	√
VFL	√	√	√	√
Touch Screen	√	√	√	√

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Comcast México

Overseas Sales Subsidiary
 Cal. Lázaro Cárdenas #1309
 Col. Colón industrial CP.44940
 Guadalajara, Jalisco
 Tel. +52 33 38607059
 Info.mx@comcast-sa.com

Comcast Guatemala

Overseas Sales Subsidiary
 Av. Hincapié 28-45 zona 13
 Guatemala city 01013
 Tel. +506 4004 1400
 Gerente.gua@comcast-sa.com

Comcast Nicaragua

Overseas Sales Subsidiary
 3ra. Entrada las Colinas, Embajada
 De cuba 1C, Este, Casa #34
 Mangua, Nicaragua
 Te, +1809 5711033
 Admin.nic@comcast-sa.com

Comcast El Salvador

Overseas Sales Subsidiary
 51 Av. Norte # 159 entre calle
 poniente y Av. Roosevelt
 San Salvador, El Salvador
 Tel. +503 7950 4882
 Info.sc@comcast-sa.com

Comcast Dominican Republic

Overseas Sales Subsidiary
 Av. Nuñez de Cáceres #2 Plaza
 Comercial Pradosur, Local 102
 Santo Domingo, Dominican Republic
 Te.+ 1 809 571 1033