

TF-2102



NEW DESIGN



Dynamic Range:45dB
Dead Zone:0.8m
Easy to deal with PON network!

The most affordable full function productivity tool for your FTTx projects

TF-2102 PON / Metro OTDR

0.8m event dead zone | 45dB Dynamic Range | Unique PON Testing Function | Lightweight



Event Map



OPM



LS

- Maximum sampling resolution: 5cm
- Excellent for short-range measurement, Dead zone: 0.8m/4m
- Complete user data interface: USB (Type A)、MINI USB、SD card
- Touch-sensitive and solid physical button work together for perfect user experience
- Support multiple analysis functions on testing results: Segment return loss, Event point return loss, Multi curves comparison, quick screen shots.

Specifications

	Single mode	Multi mode
Wavelength (Max: 4)	1310nm、1490、1550nm、1625nm、1650nm	850nm、1300nm
Dynamic Range(dB)	26dB~45dB	22dB~28dB
Event/ Attenuation Dead Zone	0.8m/4m	2m/6m
Minimum Sampling Resolution	0.05m	
Maximum Sampling Point	256,000	
Linearity	≤0.05dB/dB	
Loss Resolution	0.001dB	
Distance Resolution	0.01m	
Distance Accuracy	±(1m+Range×3×10 ⁻⁵ +Sampling resolution) (Regardless of the refractive index)	
Memory	>100000	
Interface	USB (Type A×1, Type B×1)	
Battery	Single battery capacity: 7.4V/2500mAh, The standard two	
Temperature	Environment temperature: -10°C~+50°C; Storage temperature: -20°C~+70°C	
Humidity	≤95% (No condensation)	
Size/Weight	215×155×68mm / 1.1kg (including battery)	

Module	Parameter	Note
VFL	1-20mW	10mW in default
OPM	Option A: +10dBm~-70dBm; Option B: +26dBm~-50dBm	Option A in default
Laser source	Output: -5dBm±2dB, Frequency: CW/270Hz/1KHz/2KHz	Single mode

Ordering Information

	Model	Wavelength(nm)	Dynamic range (dB)	Dead zone (m)
1310/1550nm	TF-2102-A32	1310/1550	32/30dB	0.8/4
	TF-2102-A35	1310/1550	35/33dB	0.8/4
	TF-2102-A37	1310/1550	37/35dB	0.8/4
	TF-2102-A40	1310/1550	40/38dB	0.8/4
	TF-2102-A42	1310/1550	42/40dB	0.8/4
	TF-2102-A45	1310/1550	45/43dB	0.8/4
1625nm	TF-2102-B32	1625	32dB	0.8/4
	TF-2102-B35	1625	35dB	0.8/4
	TF-2102-B38	1625	38dB	0.8/4
	TF-2102-AB35	1310/1550/1625	35/33/32dB	0.8/4
	TF-2102-AB40	1310/1550/1625	40/38/37dB	0.8/4
	TF-2102-AB42	1310/1550/1625	42/40/38dB	0.8/4
	TF-2102-AB45	1310/1550/1625	45/43/40dB	0.8/4
1650nm	TF-2102-C32	1650	32dB	0.8/4
	TF-2102-C35	1650	35dB	0.8/4
	TF-2102-C38	1650	38dB	0.8/4
	TF-2102-AC35	1310/1550/1650	35/33/32dB	0.8/4
	TF-2102-AC40	1310/1550/1650	40/38/37dB	0.8/4
	TF-2102-AC42	1310/1550/1650	42/40/38dB	0.8/4
	TF-2102-AC45	1310/1550/1650	45/43/40dB	0.8/4
1490nm	TF-2102-AP35	1310/1490/1550	35/33/33dB	0.8/4
	TF-2102-AP40	1310/1490/1550	40/36/38dB	0.8/4
850/1300nm	TF-2102-M26	850/1300	22/26dB	multi mode: 2/6
	TF-2102-SM32	1310/1550/850/1300	32/30/22/26dB	Single mode: 0.8/4 multi mode: 2/6
	TF-2102-SM35	1310/1550/850/1300	35/32/22/26dB	Single mode: 0.8/4 multi mode: 2/6
	TF-2102-SM40	1310/1550/850/1300	40/38/22/26dB	Single mode: 0.8/4 multi mode: 2/6



OTDR
TF2102



USB cable
USB-02



Portable package
PKG



straps
STP



Power Card
ADC-18

Please visit **NEW** web site!

<http://www.maxwellon.com>

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