



MAXWELLON TF2103

26dB/ 24dB
Multi Functional Optical Time Domain Reflectometer
2025



■ Key Feature

- Nine-in-one function
- The 4.3-inch full-view capacitive touch screen supports multi-touch
- Cover plate type tempered glass panel, don't worry about screen scratch
- Support horizontal version, vertical version, perfect fusion of the two habits of user operations
- Support charging treasure charging, do not worry about the battery is not enough
- In line with the international standards of test data with perfect simulation software, so that your report more simple
- Sink type light port design, so that the instrument light port to get better protection
- Support U disk, SD card and Micro USB export data protection
- Any interface supports screen capture

■ Physical Indicators

- 4.3-inch capacitive touch screen with full viewing , TFT 800x480 resolution
- CPU frequency 1GHz, equipped with 1g DDR and 8g memory card
- Lithium battery: 5200mAh/ 3.7v, standby time > for 10 hours
- Size: 175x105x45mm, weight: 560g (including battery)
- Working temperature: -10~+55°C, storage temperature: -20~+80°C



Loss Test



Flashlight



Fiber Inspection



Event Map



LS



Network Cable Test



OTDR



OPM



VFL

Nine-in-one Function

■ Specification

Measuring range	100m/ 500m/ 2km/ 5km/ 10km/ 20km/ 40km/ 80km/ 90km
Sampling resolution	Minimum: 0.2m
The sampling point	64,000 point
linearity	≤0.05dB/dB
Loss threshold	0.01dB
Loss resolution	0.001dB
Range resolution	0.01m
Ranging accuracy	= (0.75m+ Sample interval +0.005% × Test distance)
Memory	>100000
VFL	10mW, CW/2Hz
Data interface	2 * USB(Type A×1, Micro usb×1), SD card
Screen	4.3-inch TFT-LCD (Standard distribution capacity touch screen)
Battery	3.7V/5200mAh
Temperature	Working temperature: -10℃ ~ +55℃
	Storage temperature: -20℃ ~ +80℃
Humidity	≤95% (No condensation)
Size/Weight	175x105x45mm / 0.56kg(Contain the battery)
Attachment	Power adapter, lithium battery, FC adaptor, USB cable, quick guide, portable package
OPM	Type A: +10dBm~-70dBm;Type B: +26dBm~-50dBm
LS	The output power: -5dBm, Modulation frequency: CW/270Hz/1KHz/2KHz
Network Cable test	Support network wire sequence testing and wire alignment

■ Ordering Information

Model	Wavelength (nm)	Dynamic range(dB)	Measuring range(km)	Note
Dual wavelength sequence				
TF2103-A22D	1310/1550	22/20	70	
TF2103-A24D	1310/1550	24/22	80	
TF2103-A26D	1310/1550	26/24	90	
Single wavelength sequence				
TF2103-A20S	1550	20	70	
TF2103-A22S	1550	22	80	
TF2103-A20SF	1550	20	70	Filter
TF2103-A22SF	1550	22	80	Filter



Maxwellon Electronic Instruments Co.,LTD.

Factory: No.6 Xiangjiang Road, Qingdao 266000, China
Tel: 0086 13816527810

Sales Office: NO.153 Zhuzhou Rd.,Laoshan District, Qingdao 266100, China.
Tel: 0086-532-80977508
Fax: 0086-532-80977508

Sales: Sales@Maxwellon.com
Web: www.maxwellon.com