

# FP4000 COMPACT MASTER OTDR

Todo en un Equipo, tamaño compacto, Múltiples Funciones, Fácil de Usar y asequible para los técnicos en cualquier nivel.



## Características:

- Peso Ligero Fácil de Transportar y logitud de onda OTDR
- Combina todas las pruebas de fibra esenciales en un equipo portátil con OPM, OLS, VFL, etc
- OTDR fácil de entender y con análisis de mapa de eventos, visualización de resultados de indicaciones de pasa / no pasa
- Red de acceso o red punto a punto verificación o solución de problemas
- Se actualiza fácilmente en el campo Duración de la batería todo el día

## Aplicaciones:

- FTTX Pruebas y mantenimiento
- Pruebas de Network
- Access Network Testing
- LAN Pruebas Network
- Metro Pruebas Network
- FTTH Solución de problemas

9 Funciones en un Equipo | OTDR | Optical Power Meter | Fuente Optica de Luz | Localizador Visual de Fallos | Prueba de pérdida de inserción | Mapa de Eventos | Linterna | Probador de Rj45 Cable | Inspección del extremo del conector

## Configuration

Model#	PLUS+			
	FT4000-D22	FT4000-D24	FT4000-D26	FT4000-S20/22F
Wavelength	1310 & 1550nm	1310 & 1550nm	1310 & 1550nm	1550nm
Dynamic Range	22/20dB	24/22dB	26/24dB	22dB
Testing Range	3m to 70km	3m to 80km	3m to 100km	3m to 70km
OTDR	√	√	√	√
Power Meter	√	√	√	√
Light Source	√	√	√	√
Visual Fault Locator	√	√	√	√
Insertion Loss Testing	√	√	√	√
LED Light	√	√	√	√
Event Map	x	√	√	√
Rj45 Cable Testing	x	√	√	√
Microscope	x	√	√	√
Active Fiber Testing	x	x	x	√

INCLUYE: OTDR, Conector FC/SC, Manual de Usuario, TF Card, Software OTDRviewer, Adaptador de Carga Estuche, Certificado de Calibración..

**PIDE UNA DEMOSTRACIÓN**

Note: FP 4000-D20SF filtro para fibra activa 1490nm and 1577nm Microscope se vende por separado

General	
<b>Size/Weight</b>	175x105x45mm/ 450g (Battery included)
<b>Display</b>	4.3 inch touch-sensitive TFT Screen, 800x480 Resolution
<b>Interface</b>	2×USB, 1xSD port, 1xOTDR port, 1xVFL port, 1xPower Meter Port, 1xCharging Port
<b>Power Supply</b>	Input: 100V(ac) to 240V(ac), 50~60Hz, 0.8A; Output: 9V(DC), 2A 5200mAh/3.7V Lithium battery (with air traffic certification)
<b>Battery</b>	Standby Time>10 hours
<b>Power Saving</b>	Back light: Common/Highlight/Power saving/Customized Auto power off: Never/1min/5min/10min/30min/60min
<b>Data Storage</b>	SD Card: 2GB (about 100,000 curves)
<b>Language</b>	English, Spanish, French, Korean, Italian, Portugal, Russian
<b>Environmental Conditions</b>	Operating temperature and humidity: -10℃~+55℃, ≤95% (non-condensation) Storage temperature and humidity: -20℃~+80℃, ≤95% (non-condensation)

OTDR Module	
<b>Pulse Width</b>	5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs
<b>Distance Range</b>	100m, 500m, 2km, 5km, 10km, 20km, 40km, 60km, 90km
<b>Sampling Resolution</b>	Minimum 0.2m
<b>Sampling Point</b>	Maximum 64,000 points
<b>Linearity</b>	≤0.05dB/dB
<b>Averaging Time</b>	10s, 15s, 30s, Real Time, Customized
<b>Scale Indication</b>	X axis: 4~70m/div, Y axis: 0.09~5dB/div
<b>Distance Accuracy</b>	±(1m+measuring distance×3×10 <sup>-5</sup> +sampling resolution) (excluding IOR uncertainty)
<b>Loss Threshold</b>	Auto, Customized
<b>Loss Resolution</b>	Auto, Customized
<b>Distance Resolution</b>	0.01m
<b>IOR Setting</b>	1.0~1.9, 0.0001 step
<b>Units</b>	km, miles, kfeet
<b>OTDR Trace Format</b>	Telcordia universal, SOR, issue 2(SR-4731)

VFL Module	
<b>Wavelength</b>	650nm
<b>Output Power</b>	10mw, CLASSIII B
<b>Range</b>	12km
<b>Launching Mode</b>	CW/2Hz

OPM Module	
<b>Wavelength</b>	850/1300/1310/1490/1550/1625/1650nm
<b>Test Range</b>	-70~+ 10dBm (in default) or -50~+ 26dBm
<b>Resolution</b>	0.01
<b>Accuracy</b>	±0.35dB±1nW
<b>Modulation</b>	270/1k/2k Hz, Pi≥-40dBm

OLS Module	
<b>Wavelength</b>	Same as OTDR Wavelengths
<b>Output Power</b>	-10 to -4dBm±2dB
<b>Output mode</b>	CW/270/1k/2k Hz

Functions Display



OTDR Curve & Event List

Event Map



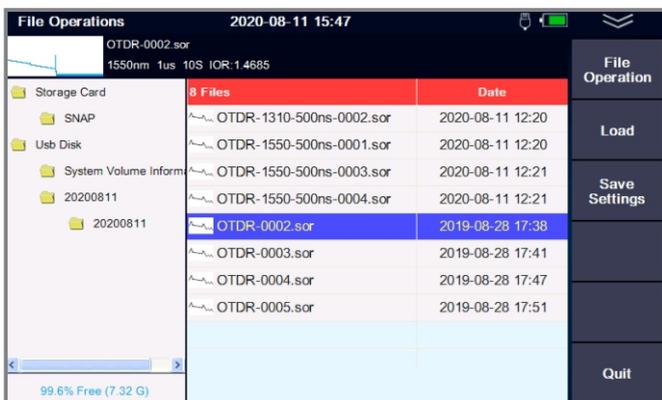
Visual Fault Locator

Optical Power Meter



Rj45 Cable Testing

End-face Inspection



SOR and BMP Files Management

Parameter Setting



## OTDR Report Printing

**OTDR REPORT**  
 2019-08-31 02:26:06

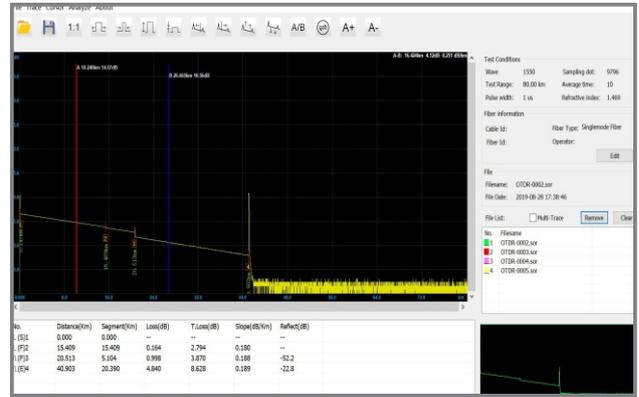
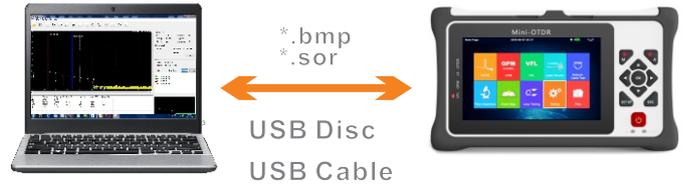
OTDR v2.20 Job: 2019-08-28 17:38:46  
 Job ID : 900 File : OTDR-0002.sor  
 Contractor: gpo Date : 2019-08-28 17:38:46  
 Customer : wq Operator: wen

**Configuration**

Wavelength(nm) : 1550	Range (m) : 80000	Backscatter coeff(dB) : -80.000
Pulse(ns) : 1000	Average Time(s) : 10	Loss threshold(dB) : Auto
Origin	End	Reflectance threshold(dB) : Auto
Location : 1	Location : 2	End of fiber threshold : Auto
Cable : 1	Cable : 2	Refractive Index : 1.469
Fiber : 1	Fiber : 2	
Color : 1	Color : 2	

**Trace**

Event Type	Distance (km)	Segment (km)	Loss(dB)	Total Loss(dB)	Attenuation (dB/km)	Reflectance(dB)
1Reflect(S)	0.147	0.000	---	---	---	---
2Reflect(F)	15.409	15.262	0.164	2.794	0.180	---
3NonReflect(F)	20.513	3.104	0.998	3.870	0.188	-52.209
4NonReflect(F)	40.903	20.390	4.940	8.828	0.189	-28.736

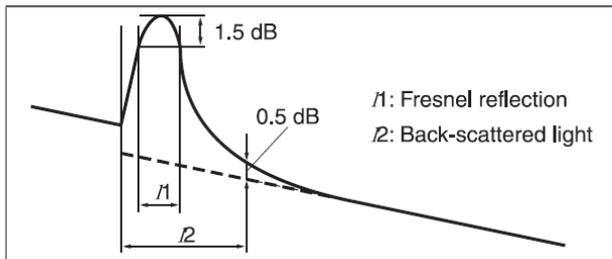
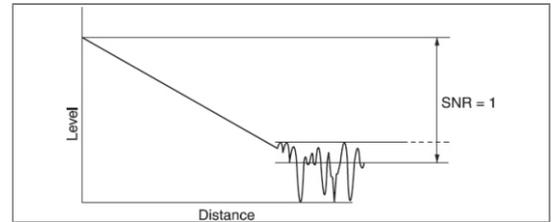


PC Software

## Key Parameters Explanation

### Notes

Dynamic range is measured with maximum pulse width, averaging time is 3 minutes, SNR=1; The level difference between the RMS noise level and the level where near end back-scattering occurs.



Instructions of OTDR Curves and Events that displayed on OTDR screen.



Event dead zone is measured with pulse width of 10ns; attenuation dead zone is also measured with pulse width of 50ns.

