

# SPEEDWOLF

## High-Performance Handheld OTDR

SP-OTDR32F-T1



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## Overview

OP-OTDR32F-T1 series Optical Time Domain Reflectometer (OTDR) is an intelligent meter of a new generation for the detection of fiber communications systems. With the popularization of optical network construction in cities and countrysides, the measurement of optical network becomes short and disperse; OP-OTDR32F-T1 is specially designed for that kind of application. It's economic, having outstanding performance.

Whether you want to detect link layer in the construction and installation of optical network or proceed efficient maintenance and trouble shooting, OP-OTDR32F-T1 can be your best assistant.

## Product Features











- 5.6-Inch outdoor-enhanced touchscreen, 7.4V/6.6Ah Lithium battery
- Event Dead zone as lower as 1.5meter
- Combined multi dynamic range and wavelengths
- Muti measurement mode, support Touching LCD and pressing keys
- Warning function could prevent OTDR module from being damaged by optical signal in fiber.
- Integrated 10mw Visual Fault Locator
- Support English/ Chinese input, adopts friendly input interface, totally simulate the computer keyboard input ,
- Integrated with 8GB internal memory, more than 80,000 groups curve storage
- PC remote access and control function is available , which support the printing work of the measurement report

## Technical Parameters

Model	Wavelength (±20nm)	Dynamic Range	EDZ (m)	ADZ (m)
Basic				
<b>SP-OTDR32F-T1-A</b>	1310/1550nm	30/28dB	0.8	4
<b>SP-OTDR32F-T1-B</b>	1310/1550nm	32/30dB	0.8	4
<b>SP-OTDR32F-T1-MD</b>	850/1300nm	19/21dB	1.2	8

Pulse Width	(SM 1310/1550NM) 5ns 10ns 20ns 50ns 100ns 500ns 1μs 2μs 5μs 10μs : (MM 850/1300NM) 5ns, 10ns, 20ns, 50ns, 100ns, 500ns, 1us
Distance Range	(SM 1310/1550NM) Dead zone test, 1.3km, 2.5km, 5.0km, 10km, 20km, 40km, 80km, 120km, (MM 850/1300NM):100m, 400m, 1.3km, 2.5km, 5km, 10km, 20km, 40km, 80 km
Sampling Resolution	Minimum 0.05m
Sampling Point	128,000
Linearity	≤0.05dB/dB
Loss Threshold	0.01dB
Loss Resolution	0.001dB
Distance Resolution	0.01m
Distance Accuracy	± (1m+measuring distance×3×10 <sup>-3</sup> +sampling resolution)
Data Storage	20000 groups of curve
VFL	10mW, CW/2Hz
Interface	3 USB ports (Type A×2, Type B×1)
Display	5.6 inch TFT-LCD, Touching screen
Battery	7.4V/6.6Ah lithium battery , support 8 hours continuous working
Working conditions	Working Temp: -10℃~+50℃; Storage Temp: -20℃~+70℃; Humidity : ≤95% (n on-dew)
Dimensions/Weight	253×168×73.5mm / 1.5kg (include battery)
Packing list	Straps; Adaptor; Lithium battery; FC connector; USD Cable; User Guide; CD; s oftbag; cleaning cotton

### Function display

 5.6inch Touching Screen	 4.4Ah Li-ion Battery
 Multi-wavelength ( SM/MM)	 Event Dead Zone; 0.8m Attenuation Dead Zone: 4m
 One-key Auto Test	 Line Warning Function
 Real-time Test	 Built-in 10mw VFL
 8G Memory Card can save 80000 groups curves	 PC Software, support the printing of saved records & Curves

**Standard Package**



OP-OTDR300



FC and SC Adapter



100-240V AC Charger



CD



Soft bag



USB Cable



Clean wipes

**Important Notice**

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by SPEEDWOLF before they become applicable to any particular order or contract. In accordance with the SPEEDWOLF policy of continuous improvement specifications may change without notice.

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