

# PON OTDR

## PON OTDR With OPM VFL

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PON OTDR

### Variants

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### Details

#### Product Description:

The D Tech PON Single-Mode 1625nm OTDR with VFL/OPM offers cost-effectiveness and ease of use, making it a popular choice for FTTH network testing. With a focus on simplicity and affordability, this OTDR specifically targets FTTH networks, providing a single 1625nm wavelength test solution to streamline operations and replace multi-wavelength OTDR products. By concentrating on the essential wavelength for signal accuracy confirmation, this OTDR eliminates unnecessary expenses.

#### Key Features:

Single-mode 1625nm wavelength test

Non-intrusive online testing without interrupting optical signal transmission

Convenient fault location for fiber optic issues

Quick and accurate detection of loss, breakpoints, macro bends, reflections, etc.

Distinguishes between attenuation events and reflection events

Storage for saved data

VFL and OPM functions suitable for various home network environments

User-friendly with no complicated settings

Lightweight at only 450g for easy portability

Powered by rechargeable 3xAA alkaline batteries or through the USB port

With its focus on simplicity, accuracy, and cost-effectiveness, this Spectrum PON OTDR is designed to meet the demands of FTTH network testing with ease.

#### Technical Parameters:

Parameter	Value
Model Number	TTWH1625 / TWH-6118
Dynamic Range	40dB / 35dB
Number of Splitters	1:64 / 1:32
Test Dead Zone	≥3m
Dead Zone of Reflective Event	≥10m
Dead Zone of Attenuation Event	30m
Distance Resolution	1m
Pulse Width	10ns ~ 500ns
Distance Uncertainty	$\pm(0.8m + 0.01\% * \text{Test Distance} \pm \text{Resolution})$
Threshold of Loss	>0.8dB
Resolution of Loss	0.1dB
Connector	FC/PC or SC/PC
OPM Supported Wavelength	(850, 1300, 1310, 1490, 1550, 1625)nm
OPM Test Range (dBm)	-70 ~ +8 or -50 ~ +26
VFL	10mW, 20mW
Storage Ability	100 Groups
Display	2.8" TFT Color Screen
Port	Mini USB
Power Supply	1.5V AA Battery, Rechargeable Battery, USB power supply
Continuous Working Time (hrs)	Standby >15 Hours, Test >8 Hours
Working Temperature (?)	-10 ~ +50 °C, 90%RH
Storage Temperature (?)	-20 ~ +60 °C, 90%RH
Dimension	210 x 120 x 55 mm (With Sheath)
Product Weight	About 450g