

VT-42FR OPTICAL TESTER

Fault Location in Engineering Construction

Maintenance based on FTTx and Access Network

Large capacity rechargeable lithium battery

Integrated VFL function



Optical Tester series

Quality assurance promises, technology to create future

Description

VT-42FR Hand-held portable Optical Fiber Ranger is the lightest optical fiber length measuring instrument in the industry. By adopting OTDR principle and integrating powerful analysis software, it can quickly and accurately detect the location and type of optical fiber and cable fault points and test the distance between the two nodes of optical fiber. The operation is easy to use, no complex parameter setting, friendly interface; Handheld design, small size and light weight, easy to carry, easy to maintain; Large capacity rechargeable lithium battery, energy saving design, long standby time. This instrument is suitable for fault location in engineering construction and maintenance based on FTTx and access network

Features

- Light shape, small volume, light weight, easy to carry.
- Reliable performance and good repeatability.
- One-click operation, no complicated Settings, test results at a glance.
- Easily test fiber optic link node length and fault point location.
- Integrated VFL function, convenient detection blind area within the optical fiber fault position.
- Using 2040mAh rechargeable lithium-ion batteries, long working hours.
- Support Micro_USB charging. It can be charged with mobile phone charger, charging treasure, etc. Long duration, suitable for long-term field operations.

Specifications	
Model	VT-42FR
Wavelength	1550nm
Fiber type	9/125um single mode fiber
Type of connector	SC/APC
Sensor type	InGaAs
Reflection events (Max)	60km
Non reflection event (Max)	20km
Unit of measurement	m/Km
Reflection event blind area	<10m
Distance Accuracy (Reflective Events)	$\pm(2m+2*10^{-4} * \text{distance})$
Wavelength of Visual Fault Locator	650nm
Power of Visual Fault Locator	$\geq 1\text{mW}$
Power Supply	2040mAh rechargeable lithium battery
Working temperature (°C)	-10~+40
Storage temperature (°C)	-40~+70
Weight (excluding batteries)	$\leq 400\text{g}$

PACKING:

No#	Name	Quantity	Remark
1	VT-42FR	1	Battery included
2	Optical Patchcord SC/APC-SC/UPC	1	
3	Coupling SC/UPC	1	
4	Power Adaptor (5V-1.0A)	1	
5	Pocket Bag	1	
6	Datasheet	1	
7	User Guide	1	