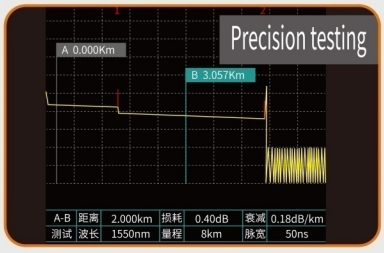
Mini-Pro optical time-domain reflectometer

VT-42MP

HIGH QUALITY PROMISES
2-YEAR WARRANTY
HOHUITECH



Fiber & RJ45
Photoelectric Integration
Multi-Functions

3.5 inch
3.5 inch Color LCD

9
9 Functional Modules

RJ45
Sequence&Length&Tracker

27 dB
27dB Dynamic Range

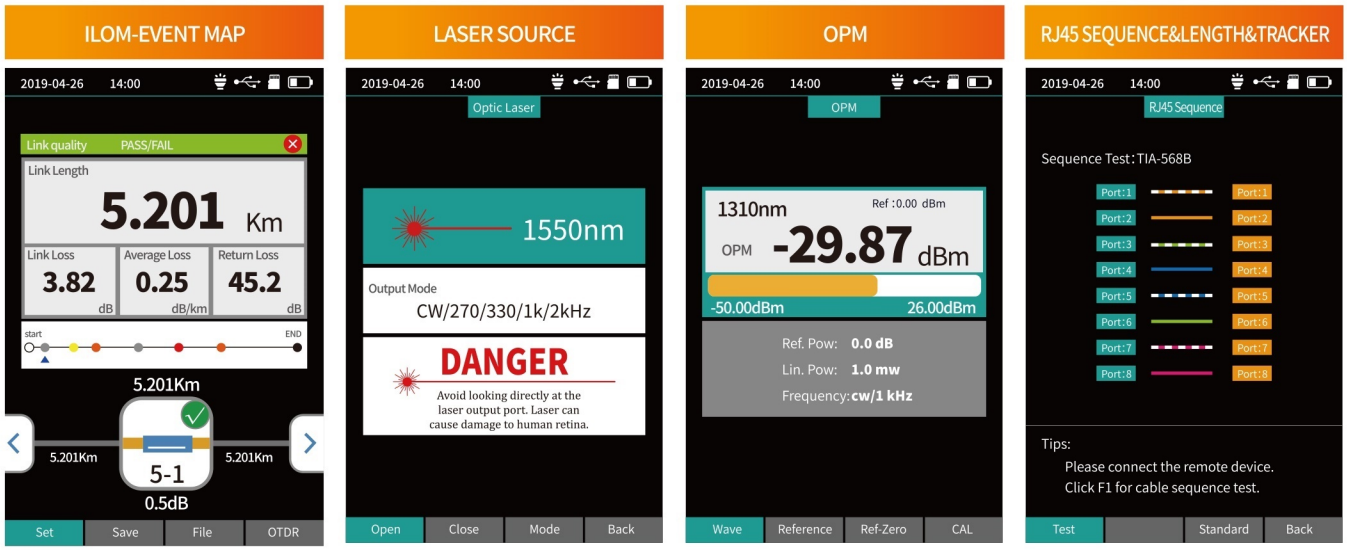
iLOM-EVENT MAP

3m Event Dead Zone
60km Precision testing

9 Functional Modules meet all you need
iLOM-Event Map Intelligent link analysis
Online detection APD effective protect
Remote Upgrade Latest Technical Support
RJ45 Test Broadband install and maintain

Mini-Pro OTDR series

Quality assurance promises, technology to create future



27dB Dynamic Range
60km Precision Test
Online Detection -APD Effective Protection
3m Event Blind Zone

OTDR Optical Time Domain Reflectometer
OPM -50~+26dBm Optical Power Meter
VFL Visual Fault Locator
LS Stabilized Light Source
RJ45 Ethernet Cable Sequence Measurement
Flashlight

Dual-wavelength OTDR
iLOM-Event Map
RJ45 Cable Length Measurement
RJ45 Line-Tracker Function

One-click Automatic Test
File Auto-saving
Test Results Automatic Analysis

SOR File Batch Processing
Remote Upgrade
Batch Export of USB Data Files

12h Continuous measurement time
20h Super-long Standby
Working Temperature: - 10°C ~ + 50°C

Technical Specifications

Mini-Pro OTDR	
Model	**VT-42MP**
Wavelength	1310nm/1550nm±20nm
Fiber Type	G.652
Dynamic Range	27dB
Event Blind Zone	3m
ATT Blind Zone	6m
Test Range	60km
Pulse Width	3ns~20us
Ranging accuracy	±（1m+ Sampling interval +0.003%×Test distance）
Loss accuracy	±0.05dB/dB
Sampling Points	16k~128k
Sampling resolution	0.05m~8m
Reflection accuracy	±3dB
Data Storage	Internal：≥1000；External：TF Card
Laser Safety Level	Class Ⅱ
File format	SOR Standard file format
Connector	FC/UPC（Interchangeable SC、ST）

OPM	
Wave Range	800nm~1700nm
Interface Type	Universal Joint FC/SC/ST
Test Range	-50dBm～+26dBm
Uncertainty	±5%
Frequency Identification	CW/270/330/1k/2kHz
Calibration wavelength	850/980/1300/1310/1490/1550/1625/1650nm
LS	
LD Type	FP-LD
Wavelength	1310nm/1550nm±20nm
Output Power	≥-5dBm
Modulation Frequency	270/330/1k/2kHz
Stability	CW，±0.5dB/15min （Test after 15 minutes of preheating）
Connector	FC/UPC（Interchangeable SC、ST）
VFL	
Wavelength	650nm±20nm
Output Power	≥10mW
Mode	CW/1Hz/2Hz
Connector	FC/SC/ST
RJ45 Cable Length Measurement	
Test Range	300m
Other Parameters	
Display	3.5 inch Color LCD
Data Interface	Micro USB
External storage	TF Card
Power Supply	Polymer Li-Battery：3.7V，4000mAh Adapter：5VDC，2A
Battery Life	Standby＞20h；Measuring time＞12h
Operating Temperature	-10℃～+50℃
Storage Temperature	-40℃～+70℃
Relative Humidity	0～95%Non Condensing
Size	173mm×82mm×37mm
Weight	≤350g
Functions: **Blue，OTDR/EVENT MAP/OPM/LS/VFL/RJ45 Sequence/RJ45 Cable Tracker(Additional purchase detector)/RJ45 Line length/Flashlight**	

Note:

①Test temperature is 25℃+2℃, maximum pulse width, the average time is more than 3 minutes.

②Test conditions of Event Blind Zone are minimum range, minimum pulse width, reflection loss of optical fiber end (> 45dB), typical value.

Configuration List

NO.	NAME	QUANTITY	Remarks
1	VT-42MP	1	Battery included
2	Connector SC/UPC (*)	1	
3	Connector FC/UPC	1	
4	Power adaptor AC/DC	1	
5	USB (Analysis software/User's Manual)	1	
6	Clean Cotton Slices, Bag	1	
7	Qualification Certificate/ Service Guarantee Card Calibration Certificate/ User's Manual	1	
8	Coupling SC/APC-SC/APC	1	
9	Optical Patchcord SC/APC-SC/UPC	1	

(*) SC/UPC, SC/APC is option