Ascentac VFL220 Series, Visual Fault Locator, is used for fiber fault detection and diagnostics. It helps technicians identify issues in fiber optic networks such as poor connector splicing, fiber breaks, and fiber bending issues, enabling quick fault location and efficient problem resolution.

The Ascentac VFL220 Series features a handheld, compact design that is both lightweight and durable. It comes equipped with an LED flashlight, allowing for the simultaneous use of both VFL and LED functions in low-light environments, offering great convenience.

It offers two operating modes: Continuous Wave (CW) and Pulsed mode. With high output power, it allows users to visually identify fault points in fiber optic cables through a clearly visible red-light spot.

Visual Fault Locator

Ascentac VFL220

High output power supports long-distance testing and fast fault location in fiber optic lines.

Features

- High output power
- Long visible distance range
- Continuous or pulsed mode
- Type-C charging port
- RJ45 cable test module
- Universal 2.5mm

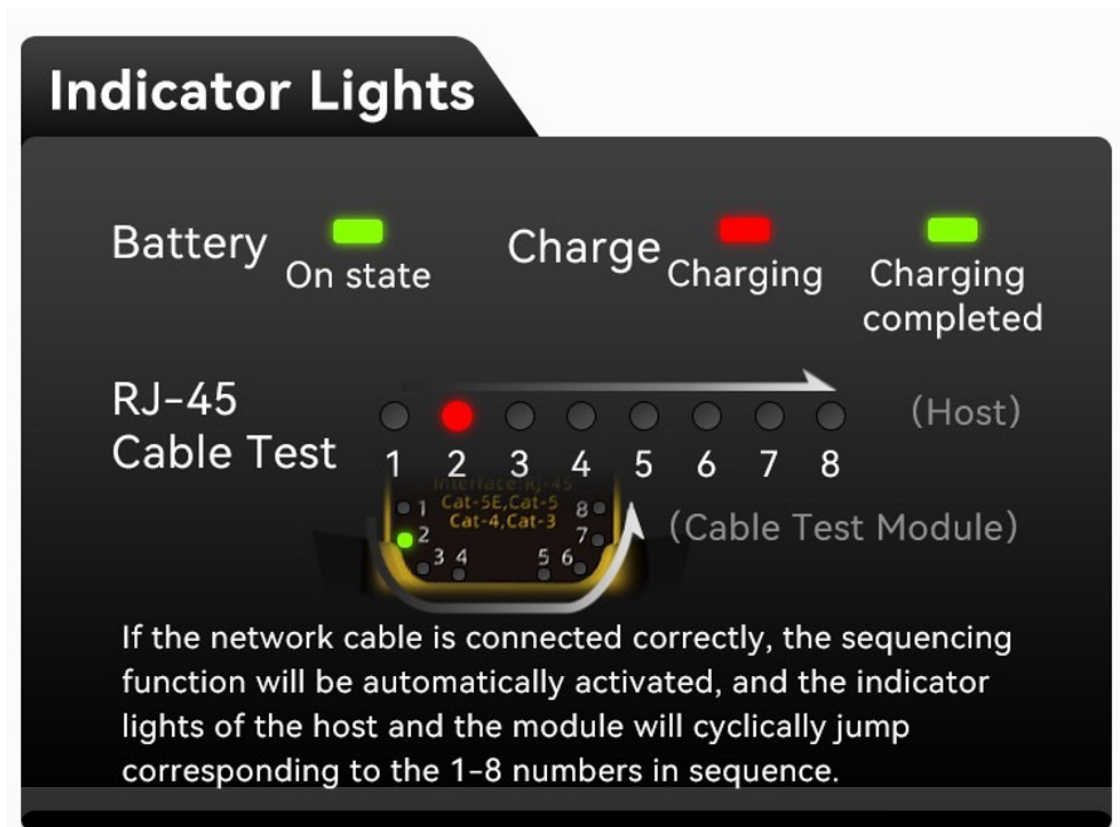- Compact and lightweight for easy carrying

Application

• Installation and maintenance in telecom or CATV system

Description

LED light

VFL Universal Connector

Type-C charging port

RJ45 Port

Power Switch

Cable Test Module

Network Sequencing Function

If the network cable is connected correctly, the sequencing function will be automatically activated, and the indicator lights of the host and the module will cyclically jump corresponding to the 1-8 number in sequence.

Indicator Lights

Battery On state

Charge Charging Charging completed

RJ-45 Cable Test

1 2 3 4 5 6 7 8 (Host)

Interface:RJ-45
Cat-5E,Cat-5
Cat-4,Cat-3

1 8
2 7
3 4 5 6

(Cable Test Module)

If the network cable is connected correctly, the sequencing function will be automatically activated, and the indicator lights of the host and the module will cyclically jump corresponding to the 1-8 numbers in sequence.
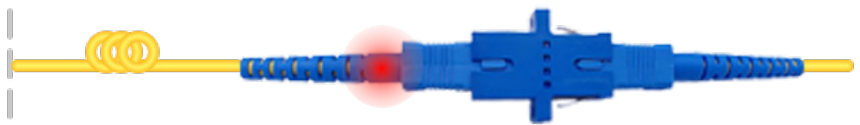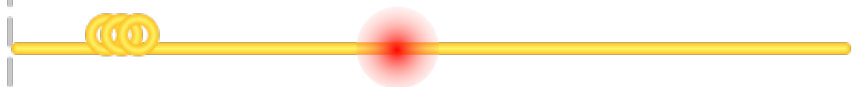
Applications

1 Fiber identification – End-to-end continuity tests

2 Fault location
Red light leakage may indicate the following issues:

• Improper fiber connector connection

• Fiber damage

• Bending

Specification

VFL Specification			
Wavelength (nm)	650 ± 15		
Output Power (mW)	15	20	30
Distance (km)	8	10	10
Modulation Output	CW (Continuous Wave), Pulsed (2Hz)		
Optical Connector	Universal 2.5mm		

Power Supply	
Battery Capacity (mAh)	450
Battery Life (hours)	> 2.5，VFL mode >2，VFL+LED mode
Power input	1.Type-C 2.5V / 1A

Others	
Cable Test Module	Sequencing function

Environment	
Working Temperature (℃)	0 to 50
Storage Temperature (℃)	-20 to 70
Relative Humidity (%)	5 to 95, Non-condensing

Dimension and Weight	
L × W × H (mm)	40 x 20 x 90
Weight (g)	53

Standard Accessories
Main unit, Type-C USB cable, 1-year warranty

Ordering Information

VFL 01-0022X

Output Power
1：15mW
2：20mW
3：30mW

Note：1. VFL with built-in universal 2.5mm tip sleeve.

Example：VFL 01-00223

For the latest information regarding this product, please visit our website at http://www.ascentac.com

Made In Taiwan

Contact us