VFL210

Visual Fault Locator

User Guide _ Version 1.0

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If you have any questions or need any assistance, please contact our service center.

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Address: 9F.-6, No. 12, Fuxing 4th Rd., Qianzhen Dist., Kaohsiung City 806611, Taiwan (R.O.C.)

Please prepare the following information before you contact us and describe the problems.

- Product model and S/N
- Warranty information

Content

1. Safety Information

Read all safety information carefully before using this product to ensure personal safety and proper use.

- Assure the power supply conforming to the specification of this product and qualified for the country of use.
- Use batteries that meet the specifications of this product.
- Do not use damaged power cords, accessories or other peripheral equipment.
- Make sure the product is operated on the permitted ambient conditions.
- Never directly look into the optical outputs interface.
- Dangerous laser radiation: 

2. Introduction

The Ascentac VFL 210 is a Visual Fault Locator (VFL) designed for fiber optic troubleshooting and diagnostics. It effectively identifies fiber line issues such as poor connector mating, fiber breakages, and micro-bends. By quickly pinpointing fault locations, it allows for efficient troubleshooting and problem resolution. Additionally, it can be used for fiber identification, significantly reducing system installation time.

Featuring a pen-style design, the VFL 210 is compact, highly portable, and built with a rugged, waterproof exterior. Users can choose between Continuous Wave (CW) and Pulsed operating modes. With high laser output power, the red light emitted becomes visible to the naked eye at the point of failure, allowing for immediate identification of the fault.

2.1 Features

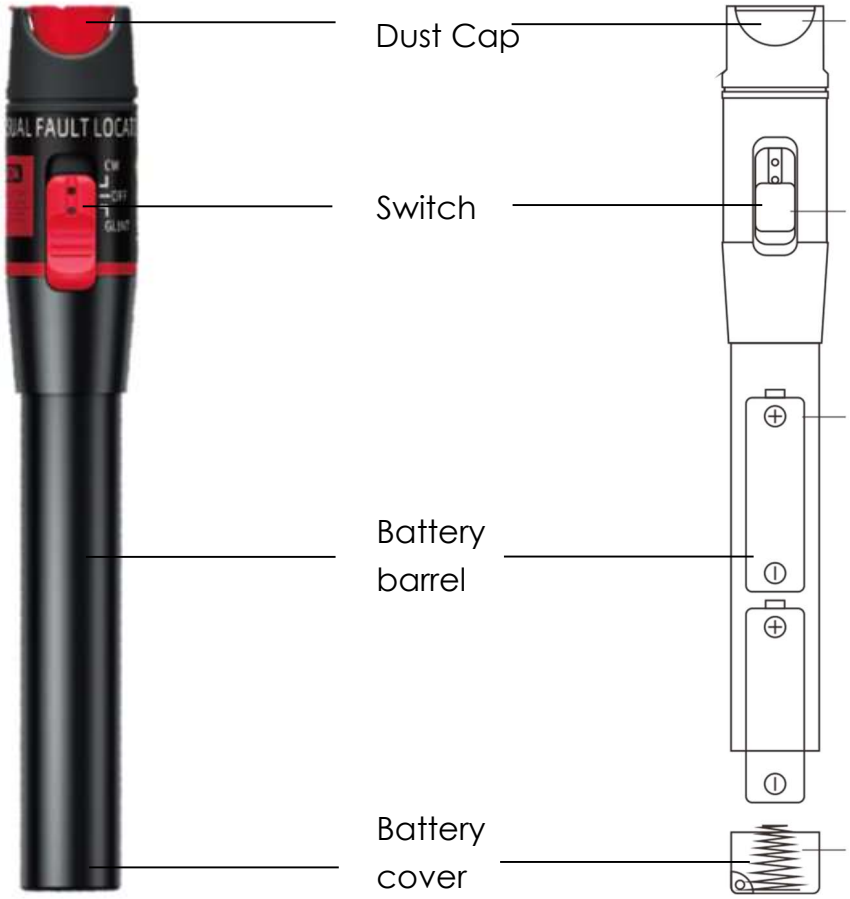
- High laser output power
- Long visual detection distance
- Continuous Wave (CW) or Pulsed operating modes
- Universal optical connector
- Compact and lightweight for easy portability
- Cost-effective and economical

2.2 Application

- Installation and maintenance of fiber optic communications and CATV networks.

3. Product Description

3.1 Appearance



3.2 Interface Description

VFL Switch Control

Up : CW (Steady On)

Middle : OFF

Down : Flash (Glint)

4. Operation

4.1 Power-on & Power-off

Slide the power switch from OFF to ON (Continuous Wave) or GLINT (Flashing mode) to begin fault location and troubleshooting.

WARNING: Improper operation may result in equipment damage. Please ensure the following:

1. Use high-quality patch cords: Avoid using sub-standard pigtails or fiber jumpers.
2. Ensure cleanliness: The fiber end-face must be thoroughly cleaned before connection.
3. Handle with care: Insert and remove the fiber connector vertically. Failure to do so may cause damage to the ceramic alignment sleeve (ferrule).

4.2 Applications