GF-RVFL-66-20

GF Rechargeable Visual Fault Locator

20mW 2.5mm UPP for SC/FC/ST connector

1. Product overview

The GLOBALfiber GF-RVFL-66-20 is a rechargeable visual fault locator for tracing faults in single-mode and multimode optical fibers. Its red laser supports continuous and pulsed operation. An alloy housing, built-in LED lighting and USB Type-C charging support everyday fiber installation and troubleshooting.



2. Key features

- 650 nm red laser; stated output power =20 mW
- CW, 1 Hz and 2 Hz pulsed operation
- 2.5 mm universal interface; UPC/APC compatibility
- Rechargeable 1800 mAh lithium battery
- Two integrated LEDs and alloy construction

3. Applications

Visual fiber fault tracing in single-mode and multimode fibers; fiber installation, troubleshooting and quality assurance.

4. Technical data

Parameter	Specification
Battery	Lithium; 1800 mAh / 6.6 Wh / 3.7 V
Charging port	USB Type-C
Dimensions	145 mm (length) x 29 mm (diameter)
Net weight	130 g
Housing	Alloy construction
Work lighting	2 built-in LEDs

5. Recommended operating conditions

Parameter	Specification
Operating temperature / humidity	-10 °C to +50 °C; <95% RH
Storage temperature / humidity	-40 °C to +70 °C; <95% RH

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6. Optical characteristics

Parameter	Specification
Output power	=20 mW
Detection distance	=10 km
Wavelength	650 nm ±20 nm
Operation modes	Continuous wave (CW); 1 Hz / 2 Hz pulsed
Connector interface	2.5 mm universal adapter
Connector types	SC, FC, ST, E2000
Connector polish compatibility	UPC and APC
Fiber types	Single-mode and multimode

7. Controls and power management

Select continuous-wave or pulsed laser operation to suit the tracing task. The built-in lithium battery is rechargeable through USB Type-C. Two integrated LEDs provide local work lighting. Battery runtime and charging time are not specified.

8. Safety and regulatory

Do not look into the laser aperture or the end of a connected fiber, and do not direct the beam towards eyes. Laser-safety class, regulatory certifications and an IP protection rating are not specified in the product information.

9. Ordering information

Parameter	Specification
GLOBALfiber product number	GF-RVFL-66-20
Product description	GF Rechargeable Visual Fault Locator / 20mW 2.5mm UPP for SC/FC/ST connector
Standard accessories	Visual fault locator with rechargeable lithium battery; USB data/charging cable; wrist strap; user manual

10. General notes

Actual test distance varies with fiber type, fiber age and connector quality. The product page expresses output power and detection distance as "=20 mW" and "=10 km"; this notation is retained without interpreting it as a minimum or maximum.