Komshine
enabling today,inspiring tomorrow

Enabling today
Inspiring tomorrow

# KFI-45

## Optical Fiber Identifier

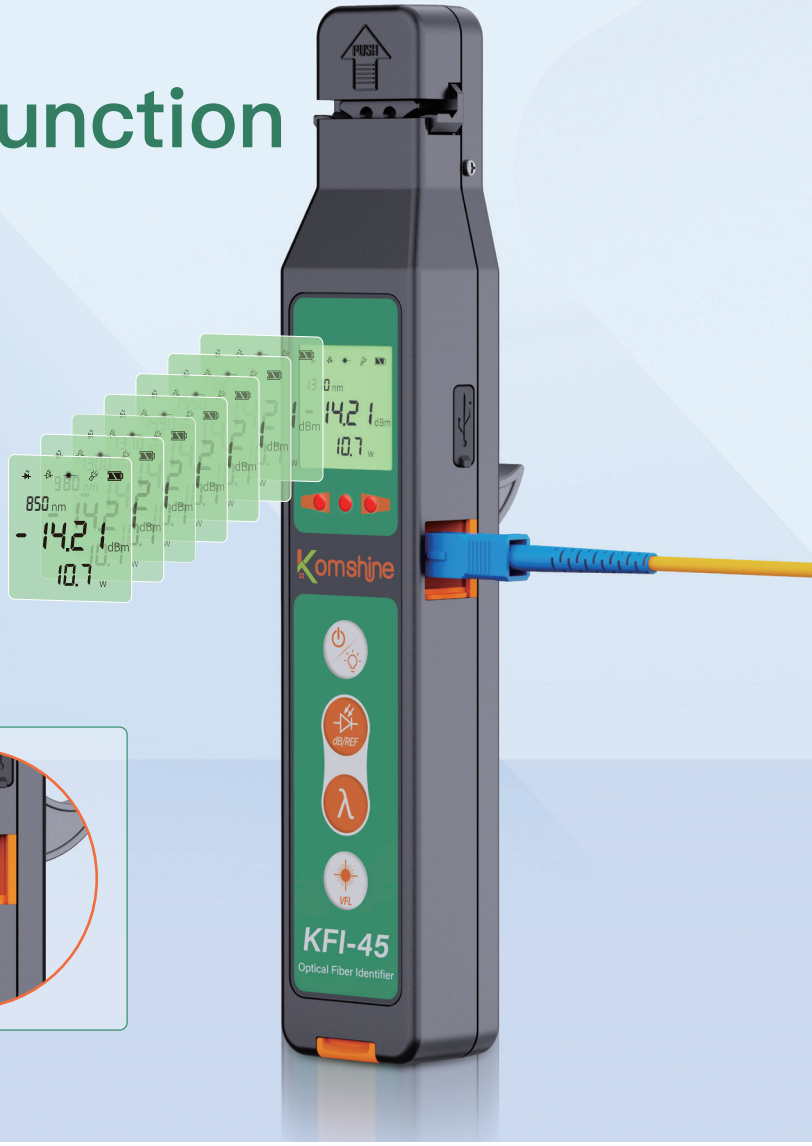

## Features and Functions

- Suitable for 0.25/0.9/2.0/3.0mm fibers
- Test sensitivity: –40dBm to 10dBm
- Easy to carry, no need to replace the chucks
- LED backlight display, suitable for variousenvironments without auxiliary
- Strong light source, strong penetrating power
- Test distance up to 5km, high stability
- Configure VFL function, 2.5mm universal connectors
- Be equipped with LED light, more convenient to check the fibers in the dark

# Integrated OPM function

## 7 wavelengths available

850nm 980nm 1300nm
1310nm 1490nm 1550nm
1625nm




2.5mm universal interface

Support SC/ST/FC interface


# Integrated VFL LED lighting

Stable strong laser concentration, effectively cooperate with line detection.

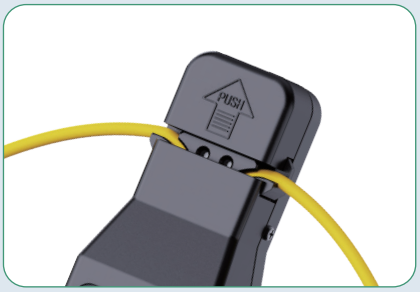
Euipped with strong LED lighting, convenient for construction in the dark environment.



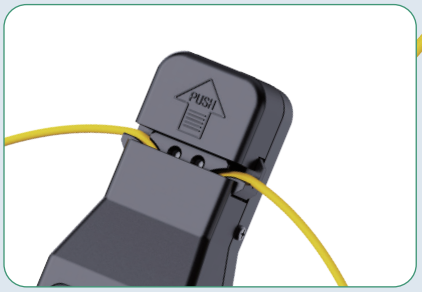
# One key start
# Quick test


Press down to
clamp fiber

# 4–IN–1 FIXTURE

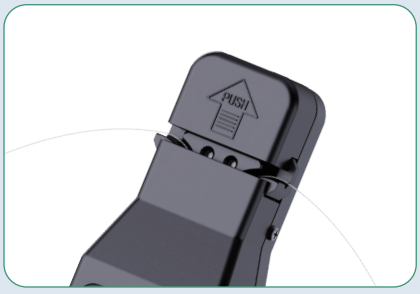



3.0mm Jump cable

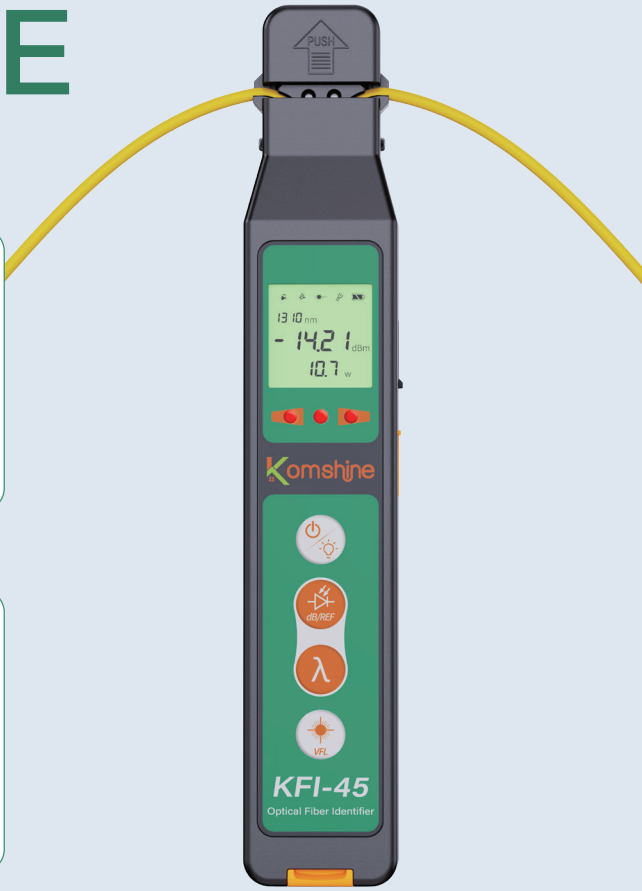



2.0mm Jump cable

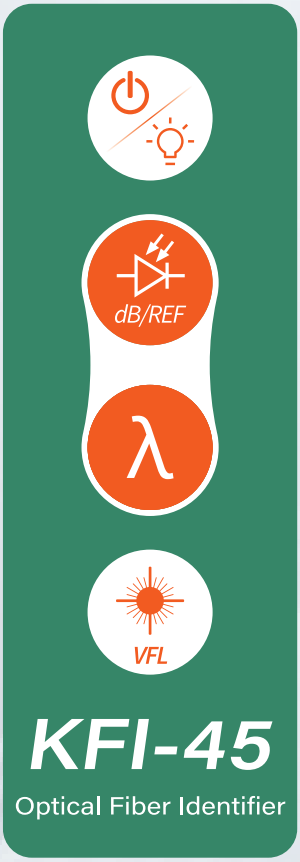

0.9mm Fiber cable




0.25mm Bare fiber cable




# Key Manual




## ON/OFF & OFI Function

1. Long press the power button to turn on the machine, the backlight will brighten up.
2. Long press the power button to turn off the machine.
3. Turn on the machine, short press power button to turn on the LED light and the screen shows the LED logo at the same time.
4. In the startup state, the OFI function is enabled by default, the OFI logo is displayed on the screen. Pull the trigger and the OFI result will be displayed. OFI logo lights up.
5. In the shutdown state, pull the trigger to enable no function.

## OPM Function

1. In the startup state, long press OPM/dB/Ref button, Start OPM function and the screen shows the OPM logo , at the same time, the OFI function is invalid, the OFI logo disappears.
2. Short press OPM/dB/Ref to switch units and measure relative values
3. Short press the wavelength button to switch wavelengths
4. Pull the trigger, switch to OFI function, OPM logo disappears and OFI logo appears.

## VFL Function

1. In the startup state, short press VFL button to start VFL function, the screen shows the VFL logo . Short press VFL button again to enter red light flashing model.
2. Short press VFL button again to turn off the VFL function, the VFL logo disappears.

# Product information

| | |
|---|---|
| Wavelength Recognition Range | 850~1625nm |
| Signal Recogniton Type | CW, 270Hz ± 5%, 1kHz ± 5%, 2kHz ± 5% |
| Detector Type | ϕ 1mm InGaAs 2 pcs |
| Adapted Fiber Type | ϕ 0.25mm, ϕ 0.9mm, ϕ 2.0mm, ϕ 3.0mm |
| Signal Direction | Left & Right LED |
| Optical Power Reading Range | –40dBm ~ 10dBm |
| Signal Frequency Range | 270Hz, 1kHz, 2kHz |
| Power Type | Alkaline Battery Type AA*2/Lithium Battery Type 1000mAh |
| Operating Temperature Range | –10℃ ~ 60℃ |
| Storage Temperature Range | –25℃ ~ 70℃ |
| Dimension/Weight | 219*45*28mm/ 235g |

## VFL Function

| | |
|---|---|
| Power Range | 10mW |
| Testing Distance | 5~8km |
| Wavelength Range | 650nm |
| Laser Type | LD |
| LED light | YES |

## OPM Function

| | |
|---|---|
| Wavelength Range | 800~1700nm |
| Optical Power Testing Range | –70 ~ +6dBm / –50 ~ +26dBm |
| Standard Wavelength | 850nm/980nm/1300nm/1310nm/1490nm/1550nm/1625nm |
| Interface | 2.5mm Universal Interface |
| Detector Type | InGaAs |
| Display Resolution | 0.01dB |
| Accuracy | ±0.2dB |

## Product Display





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