

FITEL[®] ID-H/R Optical Fiber Identifier

Advanced, compact, simple to operate and offers enhanced fiber detection.



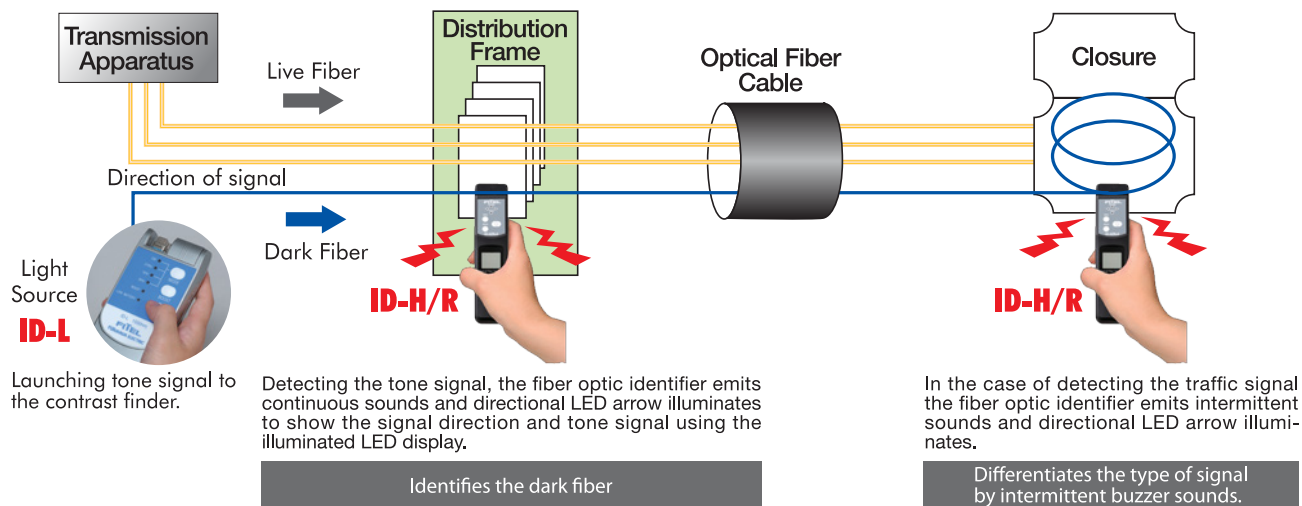
Features and Benefits

- Applicable Fiber: 250 μ m fiber, 900 μ m fiber, up to 12-fiber ribbon*, 1.6 mm to 3 mm cordage
- LCD Screen: Detection Light Level, Modulation Frequency
- Detect the tone signal and traffic signal
- Detects the signal without disrupting traffic
- Light weight design for easy handling; Weight: 170g
- The standard head for the ID-H/Rv3 is used to detect optical signals on standard SM Fiber (G.652) to BIF (G.657.A2). The optional head is used to detect signals on UBIF (G.657.B3).
- Super low insertion loss

Overview

The ID-H/R Optical Fiber Identifier is a lightweight, handheld, easy to use tool to safely and effectively identify the transmission direction and relative core power on live optical fibers.

*Not able to detect specific individual fibers



※ Make sure to launch tone signal to the dark fiber and confirm the detection before disconnecting it.

For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.

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Construction

| Product Name | Part | Part Number | Package details |
|--------------|-----------------|-------------|--|
| ID-H/R v3 | Main unit | AI21H | Includes battery, strap and instruction manual |
| | Carrying case | AI02H-001 | |
| (Option) | PD head for BIF | AI21H-017 | For G657 B3 |

Product Specifications

| | | | | |
|--|---|--|--|--|
| Applicable Fiber | Up to SM12-fiber ribbon SM 250 μm single fiber | Up to 3mm Cordage (built-in-only SM 250 μm single fiber) | SM 900 μm tight buffer (Reference value) | G.657 B3 Cordage (Use dedicated PD head) |
| Application Wavelength | 900 to 1700 nm | | | |
| Receiving Frequency | 270Hz and 1kHz and 2kHz (Duty ratio 50 ± 10%) Modulation light No modulation light Communication light that continues | | | |
| Measurement Range of Optical Power ¹ | 0 ~ -80dBm | | | |
| Maximum Level of Insertion Loss (Typical) | 1310 nm | 0.1dB | 0.5dB | |
| | 1550 nm | 1.0dB | 2.0dB | 0.1dB |
| | 1650 nm | 2.5dB | 3.0dB | |
| Average Minimum Detection Level (Typical) ² | 1310 nm | -40dB | -30dB | -15dB |
| | 1550 nm | -50dB | -40dB | -15dB |
| | 1650 nm | | | |
| Indication for Traffic Signal or Tone Signal | [Traffic Signal ³] Direction LED illuminates + Intermittent buzzer sound + Displays an optical power measurement range on the LCD. [Tone Signal] Direction LED illuminates + Tone LED illuminates + Continuous buzzer sound + Displays an optical power measurement range on the LCD + Displayed frequency on the LCD. | | | |
| Operating Time | 8 hours (Using Alkaline batter) | | | |
| Item | Storage Temperature | -20 to 60 °C (humidity 0 to 95%) | | |
| | Operation Temperature | -10 to 50 °C (humidity 0 to 95%) | | |
| Size | 40W x 65H x 163D mm | | | |
| Weight | 170g (Including battery) | | | |

¹ Duty ratio 50%.

² This specification is based on our optical fiber with our test method.

³ DO NOT disconnect or rewire based only on the traffic signal detection. Make sure to launch the tone signal before disconnecting or rewiring the fiber.