FITEL®
FUSION SPLICERS

FITEL® ID-H/R Optical Fiber Identifier

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

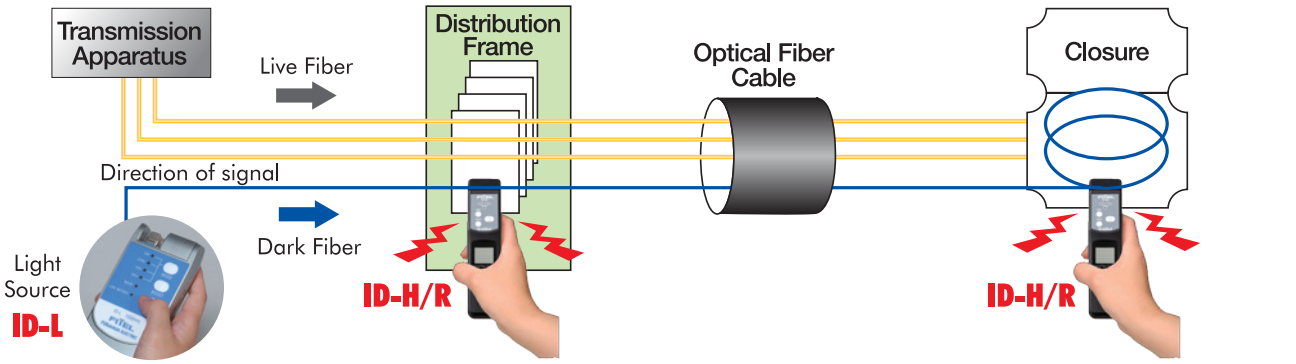
Features and Benefits

- Applicable Fiber: 250 µm fiber, 900 µm 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



Launching tone signal to the contrast finder.

Detecting the tone signal, the fiber optic identifier emits continuous sounds and directional LED arrow illuminates to show the signal direction and tone signal using the illuminated LED display.

Identifies the dark fiber

In the case of detecting the traffic signal the fiber optic identifier emits intermittent sounds and directional LED arrow illuminates.

Differentiates the type of signal by intermittent buzzer sounds.

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

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Authorized Distributor of FITEL Products in the Americas

www.ofsoptics.com

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	0.1dB	
	1550 nm	1.0dB	2.0dB		
	1650 nm	2.5dB	3.0dB		
Average Minimum Detection Level (Typical)[*2]	1310 nm	-40dB	-30dB	-15dB	-15dB
	1550 nm	-50dB	-40dB		-25dB
	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%)				
Item: 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.

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