

Optical Fiber Identifier

ID-H/R v3

Advanced, compact and simple to operate the new FITELE Fiber Identifier offers enhanced fiber detection



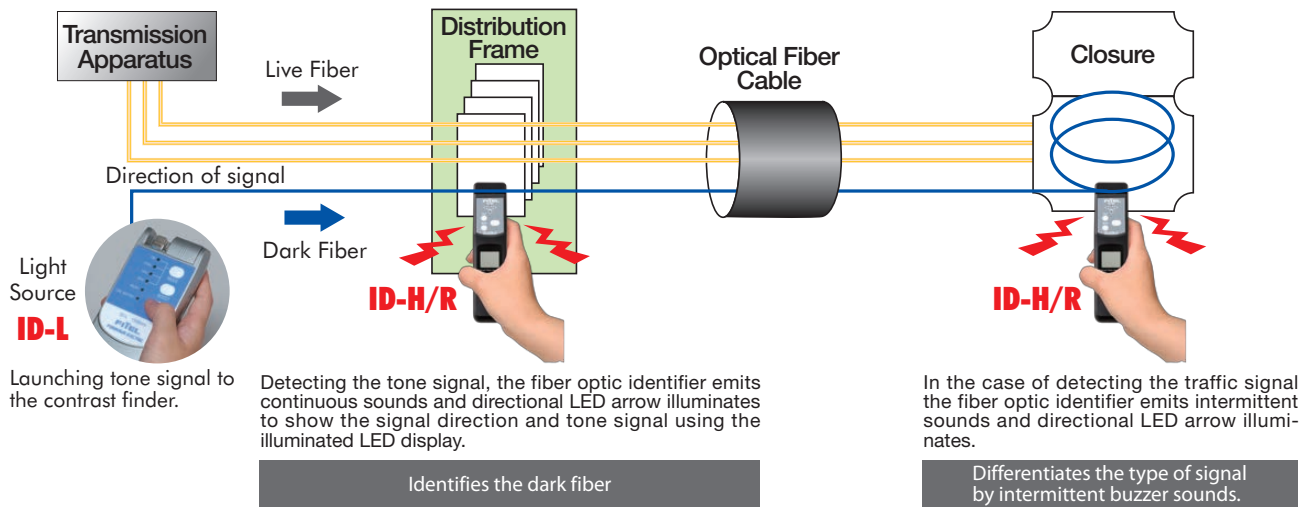
- G.652 (SM), G.657 A1 (ITU R10) and G.657 A2 (ITU R7.5) can be identified.
- Improved traffic direction recognition, even in brightly lit environments. 10 times increased sensitivity.
- Enhanced sensitivity using the light receiving adjustment function.
- The increased display functionality shows the communication light intensity in the optical fiber.
- Wide dynamic range.
- The brighter LED display provides improved clarity.
- By replacing the optional PD head, G.657 B3 optical fiber (ITU R5) can also be identified.

■ 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 G.657 B3

※ Full size

Example of Application



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

Specification

Item	Specification			
Applicable Fiber	Up to SM12-fiber ribbon SM 250 μ m single fiber	Up to 3mm Cordage (built-in only SM 250 μ m single fiber)	SM 900 μ m tight buffer (Reference value)	G.657 B3 Cordage (Use dedicated PD head)
Applicable Wavelength	900 to 1700nm			
Receiving Frequency	270Hz and 1kHz and 2kHz (Duty ratio 50 \pm 10%) Modulation light No modulation light Communication light that continues			
Measurement Range of Optical power*1)	0 ~ -80dBm			
Maximum Level of Insertion Loss (Typical)	1310nm	0.1dB	0.5dB	0.1dB
	1550nm	1.0dB	2.0dB	
	1650nm	2.5dB	3.0dB	
Average Minimum Detection Level (Typical)*2)	1310nm	-40dBm	-30dBm	-15dBm
	1550nm	-50dBm	-40dBm	-25dBm
	1650nm			
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 + Continuous buzzer sound + Displays an optical power measurement range on the LCD + Displayed frequency on the LCD			
Operating Time	8 hours (Using Alkaline battery)			
Item	Storage temperature	-20 to 60°C (humidity 0 to 95%)		
	Operation temperature	-10 to 50°C (humidity 0 to 95%)		
Size	40W \times 65H \times 163Dmm			
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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