

 Optical Fiber Identifier

ID-H/R v3

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



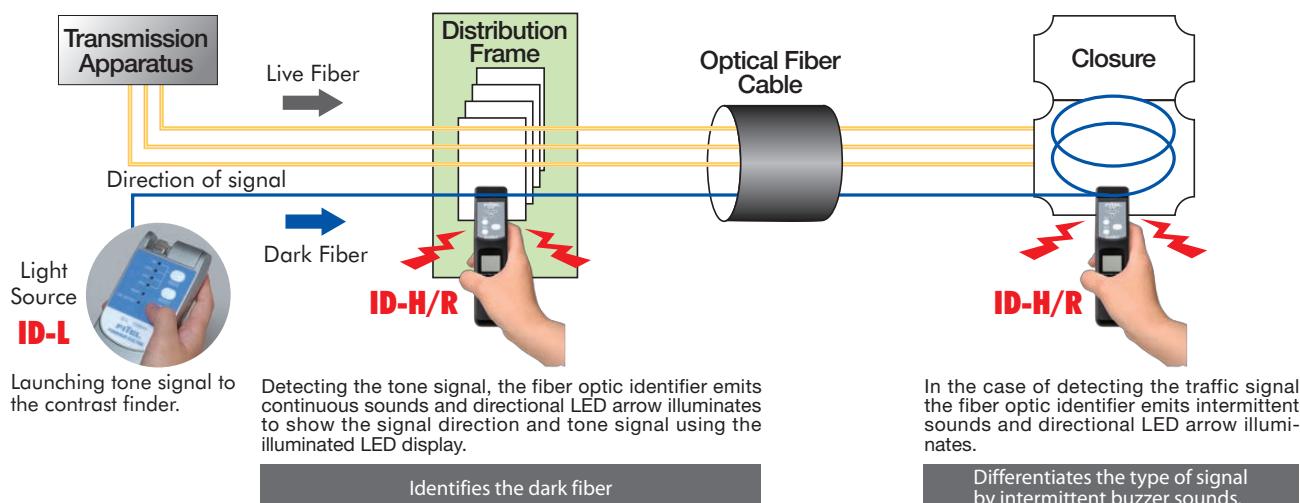
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- G.652 (SM), G.657 A1 (ITU R10) and G.657 A2 (ITU R7.5) can be identified.
- Improved traffic direction recognition, even in brightly lit environments. 10 times increased sensitivity.
- Enhanced sensitivity using the light receiving adjustment function.
- 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)	AI21H-017	For G.657 B3

■ 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 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)	
Applicable Wavelength		900 to 1700nm	270Hz and 1kHz and 2kHz (Duty ratio 50 ± 10%)			
Receiving Frequency			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	-15dBm	
	1550nm	-50dBm	-40dBm		-25dBm	
	1650nm					
[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 battery)				
Item	Storage temperature	-20 to 60°C (humidity 0 to 95%)				
	Operation temperature	-10 to 50°C (humidity 0 to 95%)				
Size		40W × 65H × 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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