

**NEW**

Optical Fiber Identifier

# ID-H/R v3

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



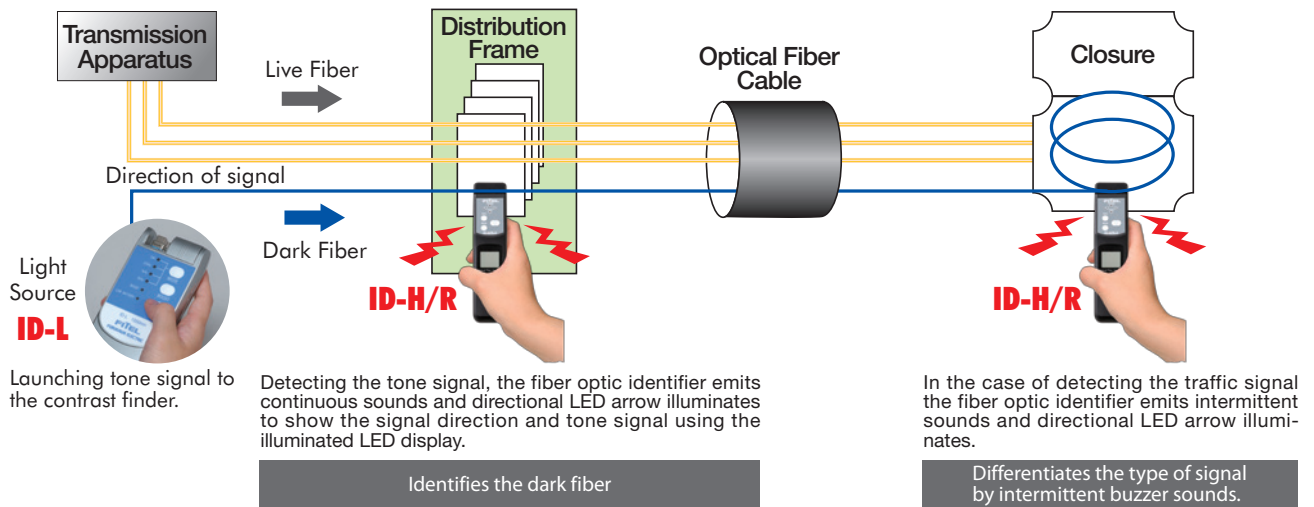
- Improved traffic direction recognition, even in brightly lit environments. 10 times increased sensitivity.
- Enhanced sensitivity using the light receiving adjustment function.
- The increased display functionality shows the communication light intensity in the optical fiber.
- G657 A2 optical fiber (ITU R7.5) can also be identified.
- The device does not require head changes or adjustments.
- Wide dynamic range.
- The brighter LED display provides improved clarity.

■ Construction

Ordering code	Product name	Code	Package details
ID-H/R v3	Main unit	AI02H03	Includes battery, strap and instruction manual
	Carry case	AI02H-001	With belt or tool case loop

※ 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 μm single fiber	Up to 3mm Cordage (built-in only SM 250 μm single fiber)	SM 900 μm tight buffer (Reference value)
Applicable Wavelength	900 to 1700nm		
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)	1310nm	0.1dB	0.5dB
	1550nm	1.0dB	2.0dB
	1650nm	2.5dB	3.0dB
Average Minimum Detection Level (Typical)*2)	1310nm	-40dB	-30dB
	1550nm	-50dB	-40dB
	1650nm		-15dB
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 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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ASVT-15080