

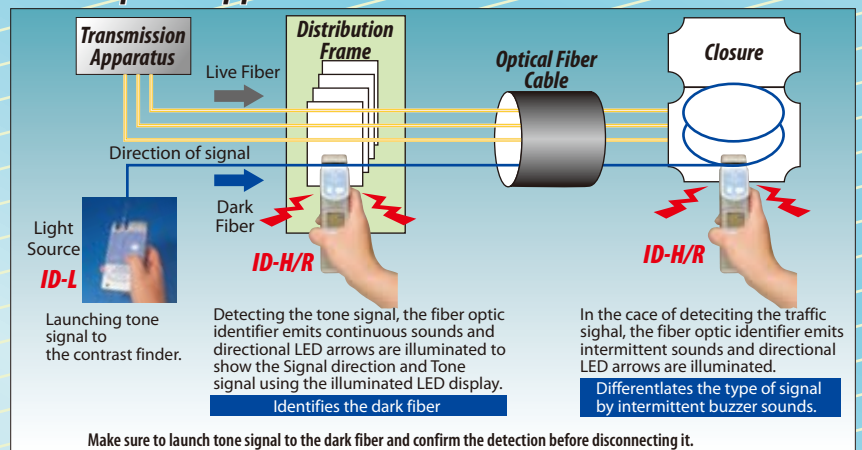
# FIBER IDENTIFIER ID-H/R



The FITEL ID-H is a rugged, user-friendly tool which identifies optical fibers by detecting the optical signals passing through the fiber utilizing local detection technology. The feature and benefits are:

- ★ **Wide dynamic range.**
- ★ **No Head changing or adjustments.**
- ★ **LCD screen adoption.**  
(Detection Light Level, Modulation Light Frequency, Machinery Information)
- ★ **Detects the signal without disrupting traffic.**
- ★ **Detects the tone signal and traffic signal.**
- ★ **Lighted LED displays for clear identification.**
- ★ **Lightweight design for easy handling.**
- ★ **Super low insertion loss.**

◆ **Example of Application**



◆ **Construction**

Ordering Code	Product Name	Code	Remarks
ID-H/R	Main Unit	AI02H	Battery and Strap and Instruction manual are included
	Carrying Case	AI02H-001	Easily to belt or tool pouch

# FIBER IDENTIFIER ID-H/R



## ◆ Specification

Item		Specification		
Applicable Fiber		Up to SM 12-fiber ribbon SM 250μm single fiber	Up to 3mm Cordage (built-in only SM 250μm single fiber)	SM 900μm tight buffer (Reference value)
Applicable Wavelength		900~1700nm		
Frequency for Tone Signal		270Hz and 1kHz and 2kHz(Duty ratio 50±10%) Modulation Light No Modulation Light Communication Light that Continued		
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 *2 (Typical)	1310nm	-40dBm	-30dBm	-15dBm
	1550nm	-50dBm	-40dBm	
	1650nm			
Indication for Traffic Signal or Tone Signal		[ Traffic Signal *3] Direction LED illuminates + Intermittent buzzer sound + Displayed an Optical power measurement range by LCD [ Tone Signal ] Direction LED illuminates + Tone LED illuminates + Continuous buzzer sound + Displayed an Optical power measurement range by LCD + Displayed Frequency by LCD		
Operating Time		8 hours (Using alkaline battery)		
Dimensions (W*D*H)		40*65*153mm		
Weight		160g (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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