

## ID-H/R Fiber Identifier

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

### Key Features

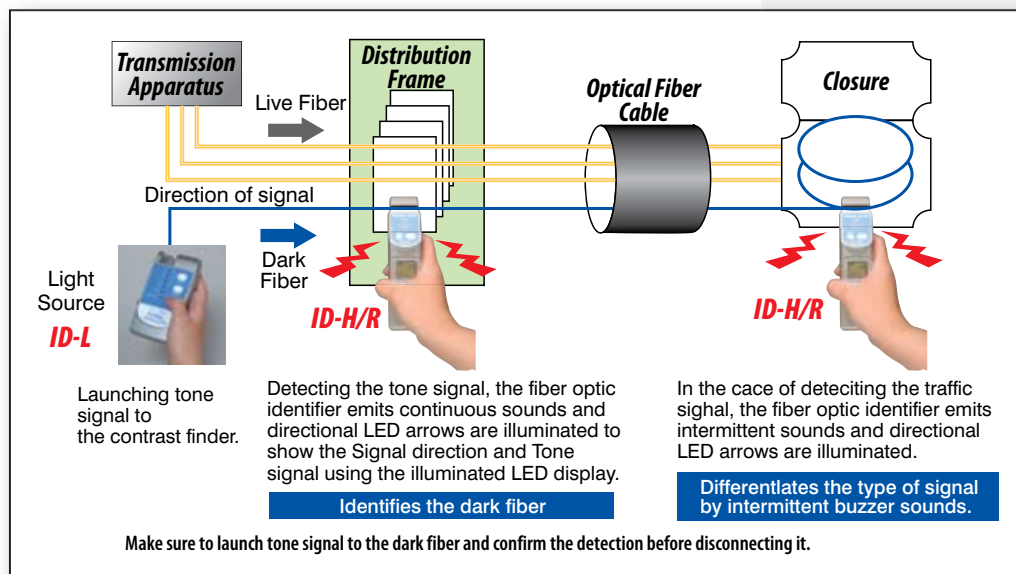
- Wide dynamic range
- No Head changing or adjustments
- LCD screen adoption  
(Detection Light Level, Modulation Light Frequency, Machinery Information)
- Detects the signal without disrupting traffic
- Detects the tone signal and traffic signal
- Lighted LED displays for clear identification
- Lightweight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



### STANDARD COMPONENTS:

Item	Code	Note
Main Unit	AI02H	Battery and Strap and Instruction manual are included
Carrying Case	AI02H-001	Easily to belt or tool pouch

### EXAMPLE OF APPLICATION:



## SPECIFICATIONS:

<b>Applicable Fiber</b>	Up to SM 12-fiber ribbon SM 250 $\mu$ m single fiber	Up to 3mm Cordage (built-in only SM 250 $\mu$ m single fiber)	SM 900 $\mu$ m tight buffer (Reference value)
<b>Applicable Wavelength</b>	900~1700nm		
<b>Frequency for Tone Signal</b>	270Hz and 1kHz and 2kHz (Duty ratio 50 $\pm$ 10%) Modulation Light No Modulation Light Communication Light that Continued		
<b>Measurement Range of Optical Power <sup>1</sup></b>	0~-80dBm		
<b>Maximum Level of Insertion Loss (Typical)</b>	<b>1310nm</b>	0.1dB	0.5dB
	<b>1550nm</b>	1.0dB	2.0dB
	<b>1650nm</b>	2.5dB	3.0dB
<b>Average Minimum Detection Level <sup>2</sup> (Typical)</b>	<b>1310nm</b>	-40dB	-30dB
	<b>1550nm</b>	-50dB	-40dB
	<b>1650nm</b>		
<b>Indication for Traffic Signal or Tone Signal</b>	[ Traffic Signal <sup>3</sup> ] 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		
<b>Operating Time</b>	8 hours (Using alkaline battery)		
<b>Dimensions</b>	40W $\times$ 65D $\times$ 153H mm		
<b>Weight</b>	160g (Including battery)		

<sup>1</sup> Duty ratio 50%    <sup>2</sup> This specification is based on our optical fiber with our test method.

<sup>3</sup> 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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