

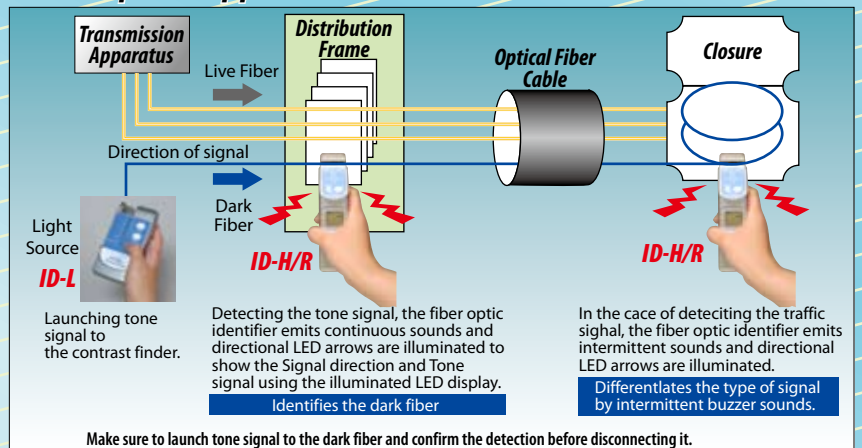
FIBER IDENTIFIER ID-H/R



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)
- ★ **Offset function of light level.**
(Offset adjustment is possible from 0 to 50dB at 1dB step.)
- ★ **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



◆ Specifications

Item		Specifications			
Product Code		AI02H			
Applicable Wavelength		900 to 1700 nm			
Frequency for Tone Signal		270Hz and 1kHz and 2kHz (Duty ratio 50±10%) Modulation Light No Modulation Light Communication Light that Continued			
Dynamic Range ^{*1}		0 to -80 dBm			
Applicable Fiber		0.25mm Single Fiber 2 to 12 Fiber Ribbon		1.1 to 3mm Cordage	0.9mm Tight Buffer (Reference Data)
		ITU-T G.657A	TU-T G.652		
Maximum Insertion Loss	1310nm	0.1dB	0.1dB	0.5dB	0.5dB
	1550nm	0.5dB	1.0dB	2.0dB	2.0dB
	1650nm	1.0dB	2.5dB	3.0dB	3.0dB
Minimum Detecting Level in Fiber (Typical) ^{*2}	1310nm	-30dBm	-40dBm	-30dBm	-30dBm
	1550nm	-40dBm	-50dBm	-40dBm	-40dBm
	1650nm				
Maximum Detecting Level in Fiber (Typical) ^{*2}		+30dBm			
LED Indication		No signal, Tone, Direction			
LCD Indication		Power Level, Tone Signal Frequency, Battery Level			
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			
Battery		AA Battery (LR6) × 2			
Operating Time		8hours (Typical)			
Operating Conditions		Temperature -10° to +50°C Humidity < 95% (None-condensing)			
Storage Conditions		Temperature -20° to +60°C Humidity < 95% (None-condensing)			
Dimension		40(W) mm × 65(D)mm × 153(H)mm			
Weight		160g (Including Batteries)			
EMC		EN61326			

*1: The leaked power from optical fiber.

*2: This specification is based on the optical fiber made of our company.

*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.

FURUKAWA ELECTRIC CO., LTD.

Head Office:

2-3, Marunouchi 2-chome
Chiyoda-ku, Tokyo,
100-8322 Japan
TEL : +81 3 3286 3227
FAX: +81 3 3286 3978

www.furukawa.co.jp
comsales@ho.furukawa.co.jp

China:

**Furukawa
Shanghai Ltd.**

Room 1006, Hongyi Plaza,
288 jiujiang Road,
Shanghai 200001,
P. R. China
TEL : +86 21 3366 5301
FAX: +86 21 3366 5308

www.furukawa.co.jp
sales@furukawa-sh.com

South East Asia:

**Furukawa Electric
Singapore Pte. Ltd.**

10 Anson Road, #25-
07/09, International Plaza,
Singapore 079903
TEL : +65 6328 9896
FAX: +65 6224 2362

www.furukawa.com.sg
admin@furukawa.com.sg

Europe:

**Furukawa Electric
Europe Ltd.**

3rd Floor, Newcombe
House 43-45
Notting Hill Gate,
London W11 3FE U.K.
TEL : +44 20 7313 5320
FAX: +44 20 7313 5310

www.furukawa.co.uk
sales@furukawa.co.uk

North & South America:

OFS Fitel, LLC

417 Dividend Drive
Peachtree City, GA 30269
TEL : +1 678 783 1090
FAX: +1 678-783-1093

www.ofsoptics.com
Splicers@ofsoptics.com