Optical Fiber and Cable Identifier

ID-H/R Optical Fiber Identifier

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.

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.

Constructions

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

Tools

Fiber Strippers
Fiber Cleavers
Fiber Holders
Tool Kit
Ribbon Forming Fixture
Ribbon Separator
Protection Sleeves
V-Groove Unit for Fiber Measurement
Ultra Sonic Cleaner
Hand Held Light Source
Optical Fiber Identifier

Fusion Splicers

Inquiries about Splicer & Tools

sitemap for Telecommunications

Specification

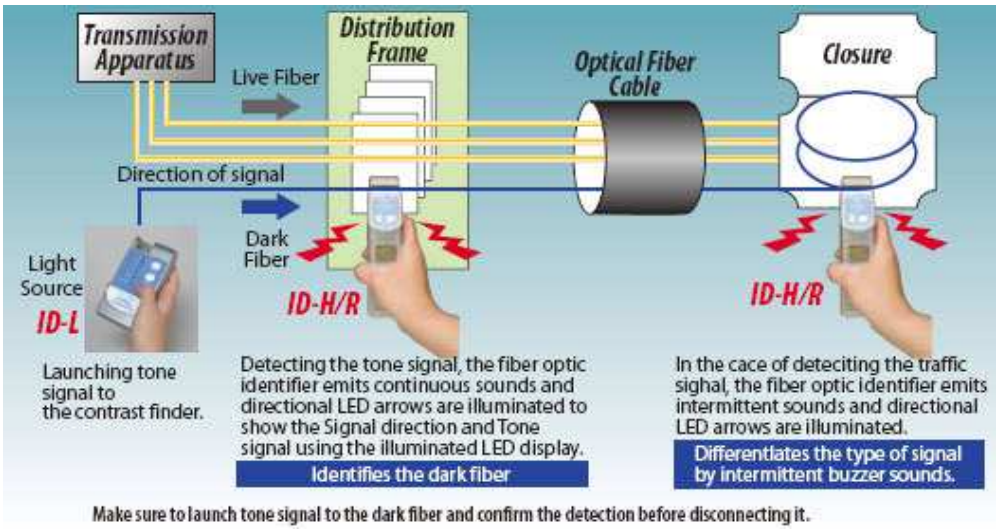
Item		Specification		
Applicable Fiber		Up to SM 12-fiber ribbon SM 250?m single fiber	Up to 3mm Cordage (built-in only SM 250?m single fiber)	SM 900?m tight buffer (Reference value)
Applicable Wavelength		900 to 1700nm		
Frequency for Tone Signal		270Hz and 1kHz and 2kHz(Duty ratio 50±10%) Modulation Light No Modulation Light Communication Light that Continued		
Measurement Range of Optical Power *1		0 to -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)		
Item	Storage temperature	-20 to 60°C (humidity 0 to 95%)		
	Operating temperature	-10 to 50°C (humidity 0 to 95%)		
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 trafic signal detection. Make sure to launch the tone signal before disconnecting or rewiring the fiber.

Example of application



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