

Optical Fiber Identifier/Tone Generator

Non-Intrusive Power Measurement and Fiber Identification





INTRODUCTION

With rapid development of optical fiber networking, the patch cord and pigtail at the ODF in most of the center office become more and more complex and disordered. Yaax Comm released this new Live Optical Fiber Identification Test Set that is combined by the normal optical fiber Identifier (FI-15) and the tone generator (TG-15). It enables technicians identify the specific live fiber without disconnecting it. It will realize good and effective management for the live fiber checking at ODF in the center office.

MAIN FEATURES

- Consist of FI-15 Optical Fiber Identifier and TG-15 Tone Generator
- Non-instrusive power measurement and fiber identification
- 1Hz frequency signal sending out and identification will not affect the signal transited in the network.
- Advanced online low frequency signal generation technology which makes user quickly checked out the specific fiber online.
- Support the fiber of 900um, 2mm and 3mm.
- Insertion loss <2dB that will not affect the signal transmitted in the network
- Auto identification function
- LED displaying
- AAA battery for power supply that makes the battery easy to replace

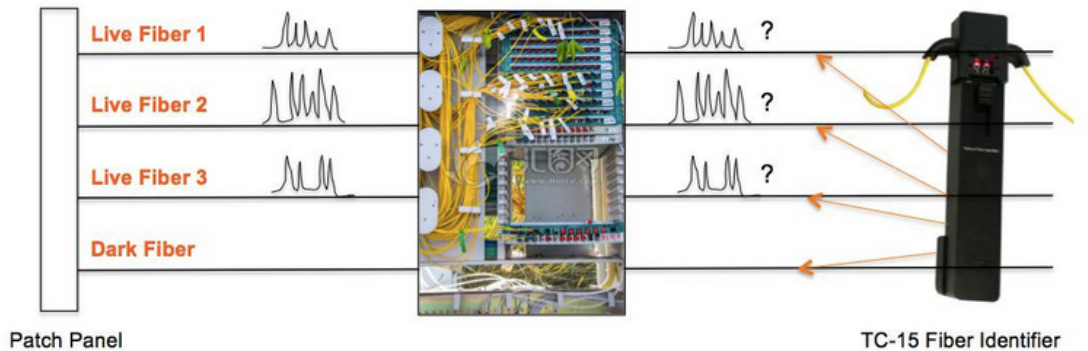


SPECIFICATIONS

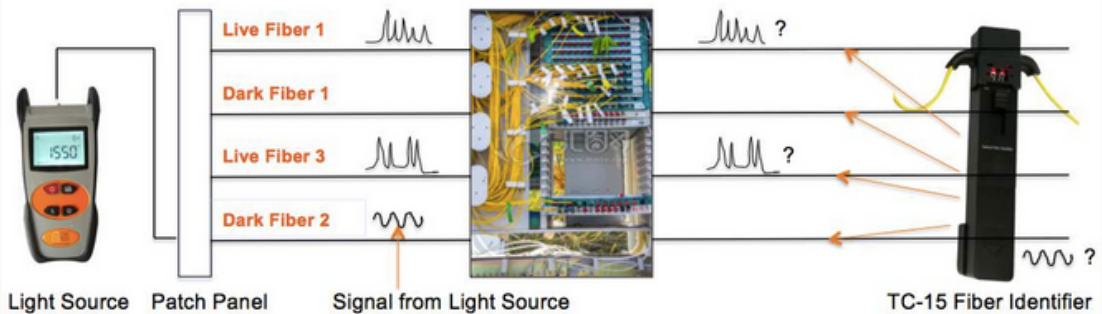
TG-15 Tone Generator		
Fiber to Measure	3mm, 2mm, 900um	
Wavelength Range	1300nm~1650nm	
Loss	<2dB	
Output Power Detect Range	-35dBm~+25dBm	
Power Supply	1.5V AAA (4PCS)	
Operation Time	15 hours	
Operating Temperature	-10℃ ~ +60℃ ℃ ~ +70℃	
Storage Temperature	-25	
Auto Off Time	5 minutes	
Weight	700g (Including 4PCS AAA Batteries)	
Dimension	200mm*30mm*35mm	
FI-15 Optical Fiber Identifier		
Identified Wavelength Range	800nm~1700nm	
Identified Signal Type	CW, 270Hz±5%, 1kHz±5%, 2kHz±5%	
Detector Type	Ø1mm InGaAs 2pcs	
Adapter Type	Ø0.25 (Applicable for Bare Fiber) Ø0.9 (Applicable for Ø0.9 Cable) Ø2.0 (Applicable for Ø2.0 Cable) Ø3.0 (Applicable for Ø3.0 Cable)	
Signal Direction	Left & Right LED	
Singe Direction Test Range (dBm, CW/0.9mm bare fiber)	-46~10(1310nm)	
	-50~10(1550nm)	
Signal Power Test Range (dBm, CW/0.9mm bare fiber)	-50~+10	
Signal Frequency Display (Hz)	270, 1K, 2K	
Frequency Test Range (dBm, Average Value)	Ø0.9, Ø2.0, Ø3.0	-30~0 (270Hz, 1KHz)
		-25~0 (2KHz)
	Ø0.25	-25~0 (1KHz, 2KHz)
		-20~0 (2KHz)
Insertion Loss (dB, Typical Value)	0.8 (1310nm)	
	2.5 (1550nm)	
Alkaline Battery (V)	2pcs AA batteries	
Operating Temperature (°C)	-10~+60	
Storage Temperature (°C)	-25~+70	
Dimension (mm)	196*30.5*27	
Weight (g)	195	

APPLICATIONS

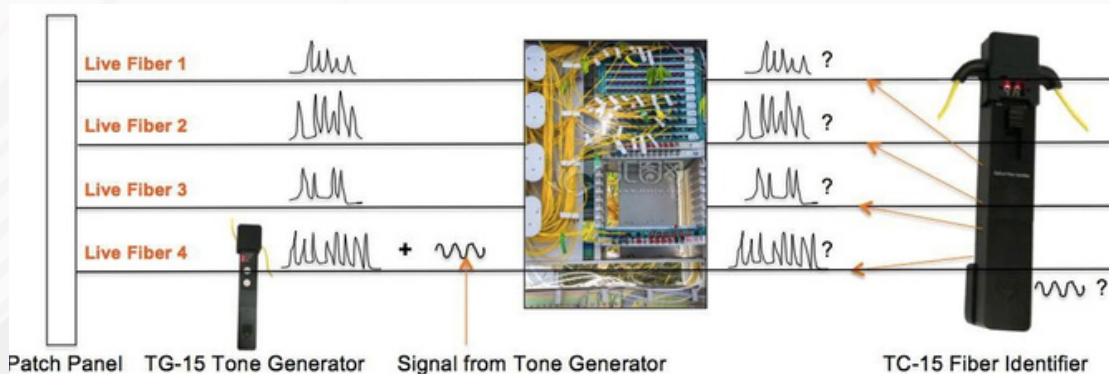
Only use FI-15 Optical Fiber Identifier can pinpoint a live fiber or a dark fiber



Combined with LS-65 series Light Source, FI-15 Optical Fiber Identifier can pinpoint a specific dark fiber:



Combined with TG-15 Tone Generator, FI-15 Optical Fiber Identifier pinpoint a specific live fiber:





LOW INSERTION LOSS.

Non-intrusive low insertion loss prevents alarm conditions

EASY OPERATION.

Identifies fiber with tone detect and a clear indication of signal transmission direction

VERSATILE.

Supports all common fibers including 250µm, 900µm, 2mm and 3mm and is able to sense light in bend insensitive fiber