

Overview

This Fiber Optic Talk Set (P/N: F1-9062TKS) is an intelligent and efficient instrument that combines in one set the functions of both a digital optical phone and a stabilized light source. It is widely used in operations of installation, optical testing, maintenance, and fiber attenuation value testing in data networks, CATV and Telecommunication networks. It can carry out full-duplex communication with high quality connection and not be affected by distance. With comfortable hand feelings, and nice outside looking, the user can easily operate on this optical tester.



Features

- Full-duplex digital communication with high quality conversation connection and low background noise
- Combines functions of both a digital optical phone call and a stabilized light source.
- Large LCD display with backlight
- Low battery power indication
- Laser source have the modulation of 270Hz, 330Hz, 1KHz, 2KHz
- Auto-Off Feature

Applications

- Maintenance in Telecom
- Maintenance CATV
- Fiber Optic Lab Testing
- Other Fiber Optic Measurements and communications

Specifications

Model No	F1-9062TKS
Wavelength (nm)	1310(A)/1550(B)
Fiber type	SM/MM
Dynamic range (dB)	45
Distance (km)	80
Laser Device type	FP-LD
Output adjustment (dB)	1
Output power (dBm)	-5~-15
Output stability(dB, for 30min) *	<0.05
Modulation	CW, 270Hz, 330Hz, 1KHz, 2KHz
Connector type	FC/UPC(SC/UPC)
Battery	3*AA, 1.5V
Battery operation time(h) **	30 (Talk set function) 50 (laser source function)
Work temperature(C)	-10~+60
Storage temperature (C)	-25~+70
Dimension (in)	6.25 x3.5x1.75
Weight (oz)	8

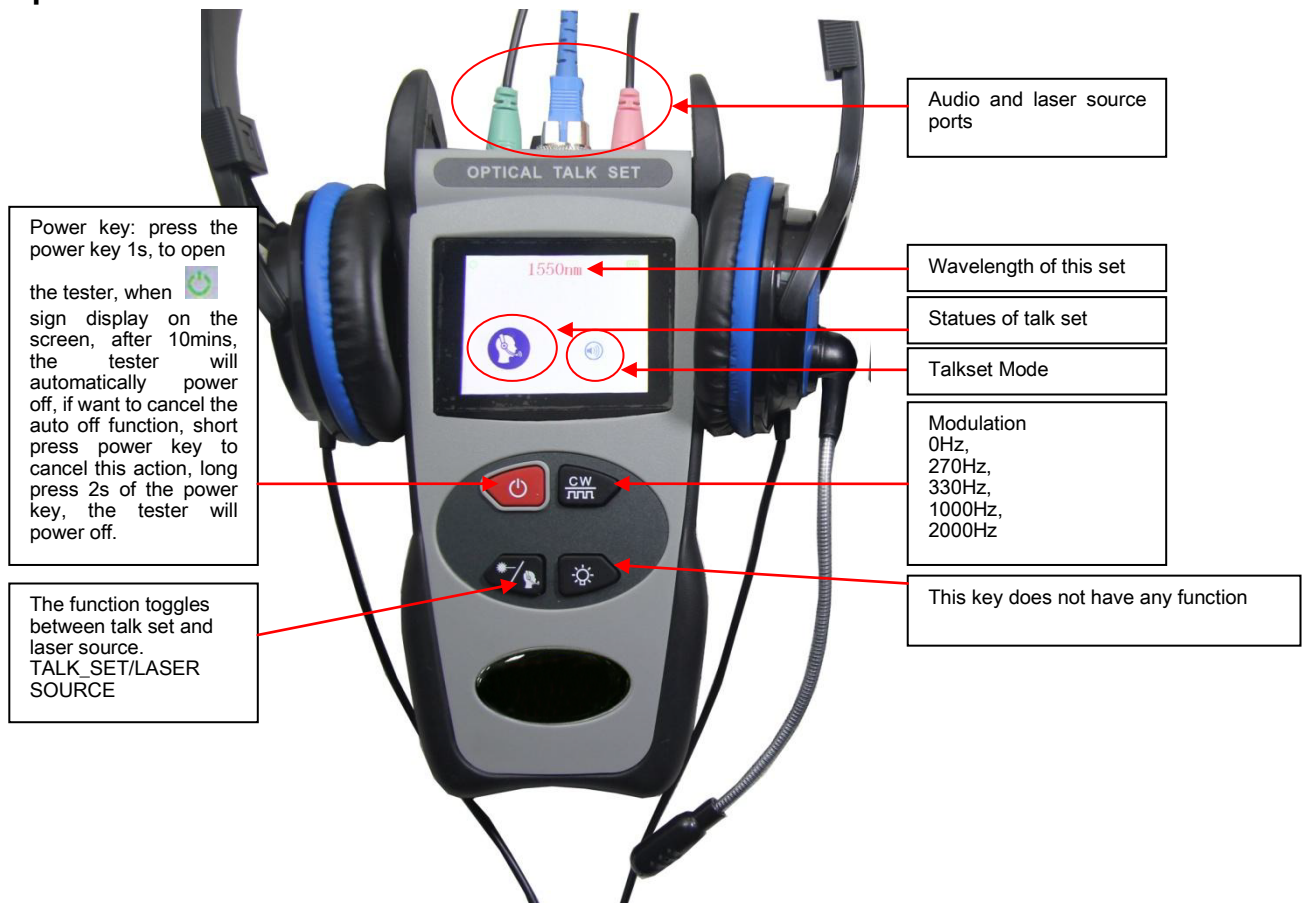
Remark: *Laser source in modulation, may influence the stability of the output power, this is the normal case

**The battery operation time is defined under the back light off, if the backlight on, the operation time may shorter.





Standard configuration:





Items	Name	No.
1	Optical Talk Set	1 Pair
2	User manual	2 pcs
3	1.5V AA battery	6 pcs
4	Cleaning Cotton swab	1 bag
5	Carry Bag	2 pcs

Operation Instruction:



Install 3 AA batteries in each talk set.

1. Screw out the dust cap, connect the patch cord with the laser port, and connect the microphone and earphone with the color related 3.5mm port.
2. Press the power key  1s to open the tester, the tester will enter into the talk set working mode, and  will display on the screen.
3. When the talk set is in normal condition, the LCD display as this sign . If the fiber is connection is not good, the LCD displays as .

4. Press , to switch the talk set and light source function. LCD display , Means it is in talk set mode, If display as , this means it's in laser source mode, The wavelength is the tester default 1550nm or 1310nm, displays as "1310nm" or "1550nm" on the display or back of unit
5. When in laser source mode, you can press  button to adjust the frequency, the frequency can shift as 0Hz (CW) /270Hz/1000Hz/2000Hz.
6. Correct connect earphone based on following sign on the front panel



7. Screw on the dust cap, clean of the connector, and put away into soft case provided.

Trouble Shooting

Problems	Reasons	Solutions
Low voice	The voice controller is turned down	Turn up the voice controller
Low and not clear voice	Fiber connector not clean	Clean the connector, use a cotton swab
Output power not reach the requirement	1. Fiber connector is not clean 2. APC connector cannot be connected!	1. Clean the connector with the swab. 2. Use correct connectors. Using APC connector could damage talk set!
The output power value unstable	1. The tester just turned on, laser device has not stabilized.	1. Turn on the tester, and use it after 2 minutes.
	2. FC/SC connector has dust.	2. Use the cotton swab or alcohol to clean the connector

General Maintenance

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- Always keep the connector ports of your talk set clean.
 - Do not use bad quality optical fiber connectors/adaptors; otherwise, it could damage the interface of detector that will greatly affect the performance of the unit.
 - Try to use only the adaptor(s) supplied.
 - Once not in use, make sure dust-proof cap is placed properly over the optical ports.
 - Carefully plug in/out for fiber connectors/adapters to avoid scratches on the port of the power meter.
 - Keep regular cleanings on optical port of Talk Set, please clean with cotton swabs supplied using alcohol properly. Always follow alcohol cleaning with a dry cleaning.
 - **NEVER USE APC CONNECTORS ON THIS UNIT**

Quality Assurance

We do not approve users to repair this instrument by themselves.

1. The instrument will be warranted for 12 months from the date of delivery.

We provide a warranty for a period of 12 months for all products from the date of delivery. During warranty period, if there are any problems with the product, we will repair or replace a new one.

But in any case, the cost of repair will not exceed the purchasing price of the product.

2. If a breakdown occurs when using the equipment, please do not open the outer cover. Please immediately contact our sales department or the respective agents for possible solutions.
3. If the fault is caused by production limitation, we will replace a new equipment or service at no cost.

This warranty only applies for the normal use, excluding:

1. Repair the unit or changing the unit without the necessary authorization.
2. Improper usage, neglect, accident, causes external to the product or other factors beyond the control of us.