



Product Name	GAOTek Fiber Optic Talk Set
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GAOTek Fiber Optic Talk Set



Introduction

The Talk Set is the new generation optical measuring instrument that Our Company developed. It is widely used in data networking, testing and maintaining of optical fiber. It can also be used in telecommunication network and cable TV construction.

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The Talk Set has full-duplex operation, and the quality of conversation is high, therefore longer distances will not affect the signal too much. Moreover, besides the telephone conversation function, the talk set also has the function of a stabilized light source.

Features

- Full duplex numeral pronunciation correspondence function
- High quality conversation and low background noise
- Online display and online call
- Large LCD screen
- Stabilized Light Source

Applications

- Telecommunication project maintenance
- CATV project maintenance
- Data network project maintenance
- Other optical fiber projects
- Optical communication teaching and research

Specifications

Wavelength(nm)	1310/1550
Emitter Type	F P - L D
Transmission Distance(km)	80
Dynamic Range(dB)	40
Output Power(dBm)	-5~-7(9/125um)



Modulation(Hz)	CW, 270Hz,1KHz, 2KHz
Output Stability(dB)	<=±0.05
Operating Time(hrs)	10 (continuously)
Power Supply	Alkaline battery
Power Adapter(v)	8.4
Fiber Connector	FC/PC
Dimensions(mm)	192x102x50
Weight(g)	338

- 1) The output power of light source would be -5~0dBm when working at modulation mode.
- 2) The working hours is 10 hours under conversation mode.
If working under non-conversation and light source off mode, the stand-by hours should be longer

Standard Accessories

1. The Talk Set -----1
2. Earphone-----2
3. Batteries (AA)-----3
4. Power Adapter-----1

- 5. Operating manual-----1
- 6. Cotton Stick-----1
- 7. Carrying Pouch-----1

Function



Picture 4-1




Picture 4-2





(1) LCD screen,


It displays the menu function, battery capacity, wavelength, modulation.....and so on. (

2) Earphone: for answering and conversation.

(3) “”button: Turn on/off talk set.

(4) “”button: Turn on light source.

(5) “”button: Call/answer the conversation.

(6) “”button: Turn on/off backlight.

(7) “”button: Switch light source modulation.

(8) “” button: Finish conversation or turn off light source.

(9) “DC” port: Access power adapter.

(10) FC/PC port: Light source and talk set connector


(11) “”port: Access the microphone.


(12) “”port: Access the earphone.

Operation

Insert the earphone, microphone and fiber to the talk set.

5.1 Turn on/off

(1) Press “” to turn on/off the unit

(2) Press “” shortly to activate/deactivate the 10 minutes auto-off function. The “auto-off” symbol will displayed on the screen


5.2 “Talk set”function

(1) One set of talk set has two wavelengths. One is 1310nm,another is 1550nm. Here we talk the 1310nm as the

sample



Picture 5-1

(2)If choose 1310nm as the transmitting terminal, then press “” to call the counterpart. As below:



Picture 5-2

(3) At this moment, the receiving terminal(wavelength 1550nm) will ring, press “📞” to close ring and start conversation.

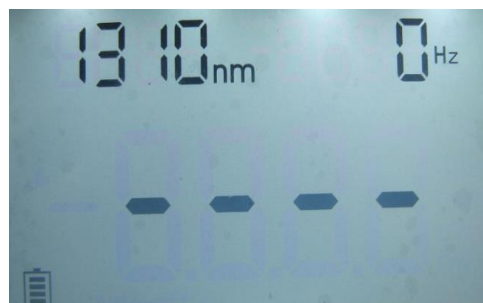


Picture 5-3

(4) Press “📞” to cancel conversation.

5.3 “light source” function(using 1310nm as sample)

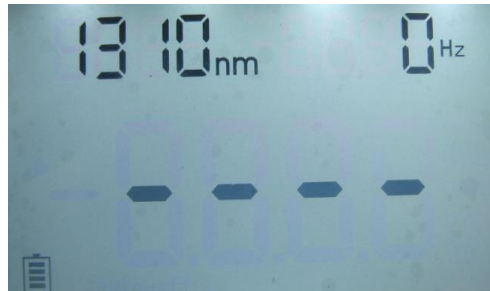
(1) Press “Source” to turn on the light source, as below:



Picture 5-4

(2) Press“ $\frac{CW}{\square\square\square}$ ”to switch modulation among 0 Hz、270Hz、1kHz and 2kHz (3)

“0 Hz” modulation: emitter works under stable light source mode.



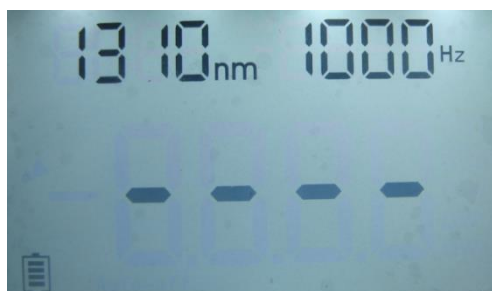
Picture 5-5

(4) “270Hz” modulation: emitter works under 270 Hz modulation modes.



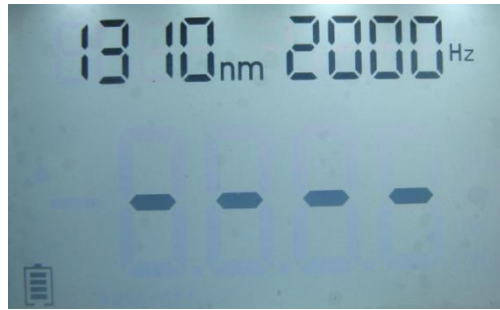
Picture 5-6

(5) “1000Hz” modulation: emitter works under 1000Hz modulation mode.




Picture 5-7


(6) “2000Hz” modulation: emitter works under 2000Hz modulation mode.



Picture 5-8

(7) Press “” to cancel the modulation.

5.4 Backlight

Press “” to turn on/off backlight.

The backlight is automatically turn off after 60s idle time.

Battery

(1) When the battery indicator on bottom left corner is empty, please charge the battery as this indicates battery is flat.

(2) Please note the indicator lamp when charging.

(3) Please turn off the talk sets if the battery is low.

Earphone

Use the volume control on the earphone to increase or reduce the volume.

Please note

In order to realize the long distance conversation over a single fiber ,we must use one set of talk sets. Each of them must have different wavelength, the typical combination is



1310nm and 1550nm. The talk set is full duplex voice communication. please do not connect it to the other brands of talk sets.

Maintenance

6.1 Please clean the sensor's surface regularly to keep it free of dust and oil. Do not use unclean and non-standard connectors. Do not insert the bad polished surface to avoid mangling the sensor's surface and the whole system performance.

6.2 Please use the same type of adapter only.

6.3 Please screw back the dust protective cap if not in use for a period time.

6.4 Please gently insert/pull out the connector to avoid scratching the surface.

6.5 Please use a cotton bud to clean the sensor's surface regularly

6.6 If the equipment will not be used for a period of time, remove the batteries to keep the battery from damping.

Common Problems

Problems	Possible Reasons	Solutions
LCD display is faint	Insufficient power	Replace the batteries or charge the rechargeable battery
No display after turning on	Insufficient power	Replace battery or Restart the unit



Readings on the LCD screen remain the same or fluctuant slightly after turning on	Problem with the connector or the display is locked	Inspect the connection of the connector or clean the sensor's surface
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Quality Assurance

We do not approve users to repair the talk set by themselves.

8.1 The instrument will be warranted for 18 months from the date of delivery.

Our Company provide a warranty for a period of 18 months for all products from the date of delivery. During warranty period, if there are any problems with the product, Our Company will repair or replace a new one. But in any case, the cost of Our Company will not exceed the purchasing price of the product.

8.2 If a breakdown occurs when using the equipment, please do not open the outer cover. Please immediately contact Our Company's marketing department or the respective agents for possible solutions.

8.3 If the fault is caused by production limitation, Our Company will replace a new equipment or service at no cost.

This warranty only apply for the normal use, excluding:

1. Repair the unit or change settings without the necessary authorization.
2. Improper usage, neglect, accident, causes external to the product or other factors beyond the control of Our Company.
3. Warranty Registration



Our Company will provide a warranty card for every product purchased. After you fill up the warranty card, please send a copy of the purchase invoice together with the warranty card to Our Company's marketing department.

Warranty Card

Product model _____
Product No. _____
Date of purchase _____
Name _____
Tel _____ Fax _____
Address _____
Zip _____ E-mail: _____

Stamp :

(Please cut along the dotted lines and retain this portion).....

Product model _____
Product No. _____
Date of purchase _____
Name _____
_____ Fax _____
Zip _____ E-mail: _____

(Send this portion to us)

Tel :

Address :

Note: Please send this portion within one month for the warranty to be effective.



Contact us: sales@gaotek.com

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