

# Handheld Optical Variable Attenuator

FOVA-101



## Application

- Optical instruments research and development
- Telecom maintenance
- CATV maintenance
- Comprehensive cable construction system

## Features

- Attenuation step: 0.05dB
- Wide attenuation range 2.5dB to 60dB
- Auto-off within 10 mins no-operation
- Attenuation value and step can be memorized after off the instruments
- dB and dBm attenuating value can be displayed

## Description

JW3303 handheld optical variable attenuator is used for continuously variable optical signal attenuation. As the attenuator is used in the laser system for the on-line testing, there, therefore JW3303 can be used in the digital system of communication devices (such as: PHD, SDH) and also in the system of adopting analog modulation (CATV).

## I. General Product Characteristics

Parameter	Value	Unit	Note
<b>Type</b>	Handheld Variable Attenuator		
<b>Wavelength Range</b>	1260~1650	nm	
<b>Applicable Fiber</b>	9/125um	SM	
<b>Connector</b>	FC/UPC, SC/UPC, ST/UPC		
<b>Calibration Wavelength</b>	1310/1490/1550/1625	nm	
<b>Attenuation Range</b>	2.5~60	dB	
<b>Resolution</b>	0.05	dB	
<b>Min Insertion Loss</b>	<2.5	dB	
<b>Linearity</b>	± 0.5	dB	
<b>Repeatability</b>	± 0.2	dB	
<b>Overall Attenuation Accuracy</b>	± 0.8	dB	
<b>Back Reflection</b>	> 35 (typical value:40)	dB	
<b>Max Acceptable Input</b>	20	dBm	
<b>Rechargeable Battery</b>	7.4	V	
<b>Power Adapter</b>	7~8.5	V	
<b>Working Temperature</b>	0~40	°C	
<b>Storage Temperature</b>	-10~60°C	°C	
<b>Humidity</b>	0~85%	RH	

## II .Layout and Dimensions



### Troubleshooting

Description	Possible Reason	Method
<b>No display after turning on the unit</b>	Battery is weak/Others Fail to turn on the unit	Turn on the unit again/Charge battery
<b>Wrong test result</b>	Dirty connector or bad connection	Clean the connector Re-connect the fiber

**Notes:**

1. Before the test, please ensure the connector is clean.
2. Cover well the dust-proof cap when not in use.
3. Use the original charger to charge the battery. Otherwise, it will lead to serious damages.



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