

Optical FiberLight Source SG13WD15

Optical Fiber Light Source

Features

Hand-held SG13WD15 Fiber optic laser light source from China.

Provides 2 output wavelengths CW, 270, 1KHz, 2KHz modulation
modulation output at other wavelengths

Backlight LCD display supports night operation

Compact size and decent appearance

Large LCD, easy operation

Applications

Maintenance in Telecom or CATV



Specifications

The light emitting device:	FP-LD
Working Wavelength:	1310 / 1550nm
PON light special:	1310/1550nm
Modulation:	CW / 270 / 1K / 2K
Fiber Type:	SM, MM
Connectors:	FC/PC or SC/PC
Working temperature:	-10 to 60
Storage temperature:	-20 to 70
Auto Off Time:	10 minutes
Battery operating time:	45 hours
Power supply:	3 AA batteries
Dimensions:	190X100X48MM
Weight:	400G



Optical Power Meter



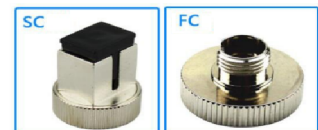
Optical Power Meter

Features

AUA-9 series of portable optical power meter is a kind of accurate and durable portable instrument for the installation, operation and maintenance of optical fiber network specially designed. Product has a compact shape, can choose to switch backlight display and automatic shutdown function, optical power ultra wide test range, precision testing accuracy to generic interface and design. At the same time, linear index (MW) and nonlinear indexes (DBM) and wavelength selection screen display. This instrument features complete, easy to use, easy to carry, LCD shows in dBm, mW, uW, nW,, dB, Waveleaght is 850/980/1300/1310/1490/1550/1625nm. Red Light Source 650nm : 10mW

Specifications

Model	10MW PM-ONE RED LIGHT
Calibration Wavelength(nm)	800~1700
Detector type	InGaAs
Measurement Range(dBm)	-70+10
Uncertainty (dB)	±0.2(5%)
linearity (dB)	0.01
Display resolution(dB)	0.03
Wave ID nm	850,980,1300,1310,1490,1550,1625
Connector	FC/SC
Alkaline battery	2AA
OUTPUT POWER	10MW
Battery Operating time (h)	240 without backlight
Operation Temperature(°C)	-10(°C) +60
Storage Temperature(°C)	-25(°C)+70
Dimension(mm)	172*82*33
Weight(g)	310



Visual Fault Locator Fiber Optic Tester Red Light



Visual Fault Locator

Features

- Easy to check fiber faults with visual red laser light
- FC, SC, ST General interface
- Sturdy and durable shell
- Constant output power
- Long inspection distance
- Operates in either CW or pulse
- Pen pattern design, convenient for use and carry
- Compact in size, light in weight, red laser output, both SM and MM

- Maintenance in telecom, CATV
- Test Lab of optical fibers
- Fiber routing and continuity checking in optical networks
- Other fiber optic measurements

Specifications

Model	SG-A85			
Central wavelength	650nm±10nm (635nm is available on request)			
Emitter type	FP-LD			
Output power	5mw	10mw	20mw	30mw
Laser Range	≥5km	≥10km	≥20km	≥30km
Optical connector	2.5mm universal connector, for 1.25mm connectors, FC (Male)-LC. (Female) convertor can be provided on request			
Operating model	Both CW and Pulse available			
Pulse frequency	2Hz to 3Hz / 9Hz			
Battery	2XAA alkaline battery			
Operating temperature	-20°C to 60°C			
Storage temperature	-40°C to 85°C			
Dimension	23 X190mm			
Weight	110g (without battery)			



Visual Fault Locator (VFL) Fiber Optic Tester Red Light

Visual Fault Locator (VFL)

Overview



650nm Fiber Optic Visual Fault Finder Locator

The 650nm Pen-type Visual Fault Finder is specially designed for field personnel who need an efficient and economical tool for fiber tracing, fiber routing and continuity checking in an optical network during and after installation.

Features

- Finding the breakpoint, poor connections, bending or cracking in fiber optic cables.
- Finding the faults of OTDR
- 2.5mm universal connector
- Operates either in CW or Pulsed
- Constant output power
- Lower Battery warning
- Long battery life (up to 60 hours)

Specification



Wavelength	650nm ±10nm
Emitter Type	FP-LD laser
Output power	10mW 5-10 km 20mW 18-20 km 30mW 20-30 km
connector	2.5mm universal adapter
Working mode	Both CW and Pules available
Operating temperature	-10~+45 °C
Storage temperature	-40~+70 °C
Power	2pcs AA battery
Working hours	60
Weight	110g (excluding batteries)
Dimension (mm)	220 X 27

Package Include

- 1 x Fiber Checker
- 1 x Black bag

JW3304N Optical Fiber Ranger

JW3304N Optical Fiber Ranger is the most portable test instrument in the industry. It adopts the OTDR technical principles and integrates the powerful analysis software, which enables the JW3304N fiber ranger detect fiber faults location more accurate and easy.



Features

- * Portable, rugged, lightweight; Easy to use.
- * More accurate testing results and better repeatability.
- * Up to 8 fiber faults can be detected in each measurement.
- * Automatic Pulse Width Control design to ensure a convenient operation.
- * Easy to identify the faults location.
- * Built-in visual fault locator (VFL), conveniently to find the faults in dead zone.
- * Dust, water and shock proof, designed for field use
- * Long battery life, up to 5000 measurements operation.

Specifications

MODEL		JW3304N
Operating Wavelength		1550nm (1310nm Optional)
Fiber Type		9/125um SM Fiber
Optical Connector Type		FC/PC
Detector Type		InGaAs
Peak Power of laser		≥ 60mW
Max. Displaying Distance	Reflection Event	60km (≥ 1dB)
	Non-reflection Event	20km (≥ 2.5dB)
Measurement Unit		m
Reflection Event Dead Zone		15m
Distance Accuracy (Reflection Event)		± (2m+2*10 (-4) *Distance)
Wavelength of VFL Option		650nm
Output Power of VFL Option		> =1mW
Power Supply		Alkaline Battery (3pcs AA 4.5V Batteries)
Battery Operating Time		≥ 5000 measurements
Working Temperature		-5~40°C
Storage Temperature		-10~60°C
Humidity		0~85% (Non-condensation)
Dimensions		190*100*50mm
Weight (g)		450

Standard Packages

MODEL	INCLUDES
JW3304N	JW3304N Fiber Ranger, 3pcs 1.5V batteries, User Manual, Cotton swabs and Soft carrying case.

Optical Fiber Ranger



Overview

3304A Fiber Ranger is newly designed fiber optic tester, it aims at fiber fiber network installation, fiber network engineering acceptance and fiber network maintenance. It can detect fiber fault location more accurate and quick, and designed for field use. 3304A fiber ranger is an economical tester instead of OTDR in the test and maintenance of fiber network.

Features

- 1) Easy to identify the faults location
- 2) Analysis reflection events and attenuation events automatically
- 3) Build-in visual fault locator function
- 4) Automatic Pulse Width Control design to ensure a convenient operation.
- 5) Up to 2500 measurement results can be stored in the unit.

Specifications

Model	JW3304A
Operating Wavelength	1550 ± 20
Fiber Type	9/125 um
Optical Connector Type	FC/PC
Detector Type	InGaAs APD
Pulse Width	Auto adjustment
Max.Distance (km)	60
Distance Accuracy (Reflection Event) (m)	± (3m + 2*10 ⁻⁴ * distance)
Reflection Event Dead Zone(m)	15m
Power Supply	AA,3pcs
Battery Operating Time	> 2500
Auto Power-off time (min)	10
VFL output power(mW)	> 1 mW
Data Storage Capacity	2000
Working Temperature(°c)	-5 ~ 40
Storage Temperature(°c)	-10 ~ 70
Dimensions(mm)	175*90*44.5
Weight(g)	278



Standard Packages

MODEL	INCLUDES
All Models	JW3304A Fiber Ranger, 3pcs 1.5V batteries, User Manual,USB,CD, Cotton swabs

PON Optical Power Meter

Features

JW3213 PON aims at the FTTx application and maintenance.

JW3213 PON power meter is able to simultaneously test and estimate the signals of the voice, data and video.

Specifications

PON module:

PON module:	3213	3213A	3213AV	3213AP
1310 upstream measurement				
Pass Zone(nm)	1260nm~1360nm			
MeasurementRange(dBm)	-40dBm~+10dBm			
Output power(max)	15dBm			
Isolation@1490/1550(dB)	>40dB			
Burst mode measurement error	<±0.5dB			
1490 downstream measurement				
Pass Zone(nm)	1470nm~1505nm			
MeasurementRange(dBm)	-40dBm~+10dBm			
Output power(max)	15dBm			
Isolation@1310/1550(dB)	>40dB			
1550 downstream measurement				
Pass Zone(nm)	1535nm~1570nm			
MeasurementRange(dBm)	-40dBm~+20dBm			
Output power(max)	25dBm			
Isolation@(1310/1490nm)	>40dB			
Measurement Accuracy				
Connatural uncertainty(dB)	±0.5dB			
Linearity(dB)	±0.1dB			
Passing through insertion Loss(dB)	<1.5dB			
General Information				
Detector Type	InGaAs			
Optical Connector	FC/SC/ST Interchangeable/2.5 universal adapter			
Fiber Type	SM 9/125um			
Measurement Unit	dB/dBm/xW			
Resolution (dB)	0.01dB			
Data Storage	1000			
Number of Port	2 Ports (ONT and OLT/Video)			
Operation Voltage(V)	DC 3.3V~5.5V			
Power Supply	3pc1.5V battery			
Continuously Operation time (h)	PON:90h	OPM:90h VFL:50h	PON:90h VFL:50h	PON:90h OPM:100h
Operation Temperature(°C)	-10°C~60°C			
Storage temperature(°C)	-25°C~70°C			
Weight(kg)	423g	425g	424g	424g

Note: The operation time of the battery are all for the instrument that do not turn on backlight, if the backlight turn on the operation time will be shorter.

Normal Optical Power Meter Module:

Normal Optical Power Meter	3213	3213A	3213AP
Measurement Accuracy			
Connatural uncertainty(dB)	None	±0.5dB	
Linearity(dB)		±0.1dB	
Measurement Range(dBm)		-70dBm~+6dBm	
General Information			
Measurement Unit	None	dB/dBm	
Resolution (dB)		0.01dB	
Calibration Wavelength(nm)		1300/1310/1490/1550/1625 850/1300/1310/1490/1550/1625	
Detector Type		InGaAs	
Optical Connector	FC/SC/ST Interchangeable/2.5 universal adapter		

Note: JW3213 do not have the OPM module

VFL Module:

Normal Optical Power Meter	3213	3213A	3213AP
Measurement Accuracy			
Connatural uncertainty(dB)	None	±0.5dB	
Linearity(dB)		±0.1dB	
Measurement Range(dBm)		-70dBm~+6dBm	
General Information			
Measurement Unit	None	dB/dBm	
Resolution (dB)		0.01dB	
Calibration Wavelength(nm)		1300/1310/1490/1550/1625 850/1300/1310/1490/1550/1625	
Detector Type		InGaAs	
Optical Connector	FC/SC/ST Interchangeable/2.5 universal adapter		



Optical Fiber Identifier



Overview

JW3306B Optical Fiber Identifier can quickly identify the direction of transmitted fiber and display the relative core power without any damages to the bended fiber. When the traffic is present, the intermittently audible tone is activated. The JW3306B optical fiber identifier also recognize the modulation like, 270Hz, 1kHz and 2kHz. When they are used to detect the frequency, the continuously audible tone is activated. There are four adapter heads available: Ø0.25, Ø0.9, Ø2.0 and Ø3.0. The JW3306B optical fiber identifier is powered by a 9V alkaline battery

Features

- * Easy-to-use with "ONE KEY" operation.
- * Efficiently identifies the traffic direction and frequency tone (270Hz, 1KHz, 2KHz) with audible warning.
- * Displays the relative core power
- * More accurate test with Sunshade
- * Easy-to-replace adaptors
- * Durable metal housing and quality construction
- * Lower power indication



Specifications

Type	JW3306B Optical Fiber Identifier
Identified Wavelength Range	800-1700 nm
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
Single 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 (270Hz, 1KHz) -20~0 (2KHz)
Insertion Loss(dB, Typical Value)	0.8 (1310nm) 2.5 (1550nm)
Alkaline Battery(V)	9
Operating Temperature(°C)	-10 - +60
Storage Temperature(°C)	-25 - +70
Dimension (mm)	196X30.5X27
Weight (g)	200

Standard Packages

Model	JW3306B Optical Fiber Identifier
Includes	JW3306B Optical Fiber Identifier, 4pcs adapter heads, Sunshade, Alkaline battery, User Manual, Cotton Stick and Soft Carrying case.