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## FOH-8 PRO ONU Terminal Tester

- Quickly check redundant port resources
- Fast analysis of terminal ONU device status
- Check accuracy > 90%
- High precision OTDR for fault location of the last 1km
- PON power meter support 1310nm/1490nm test

Items	Specifications
Optical Port	2*SC/UPC ports, VFL: universal 2.5mm
Charge Port	1*TYPE-C charge port
ONU Status Test	Serial connection: Online, Offline, No user
	Terminal connection: ONU connected, No user
PON Power Meter	1310nm : -35~+5dBm, 1490nm : -35~+10dBm
ONU Simulation(Optional)	Support G/EPON ONU simulation test
VFL	Wavelength: 650±10nm
	Output power: 5mW, Test distance: ≥ 5Km
	Modulation frequency: CW / 2Hz
High Precision OTDR	Dynamic range: ≥ 6dB    Pulse width: 3ns
	Event dead-zone: ≤ 2m    Attenuation dead-zone: ≤ 6m
Power Supply	7500mAh lithium battery
Wireless	Bluetooth
Working Temp	-10°C ~ 50°C
Humidity	5% - 95% relative humidity, non condensing
Dimension	175 × 94 × 46.5mm
Weight	577g



## FOH-100 ONU Resource Tester

- Read online user information ( PPPOE, LOID, SN, PASSWORD, MAC )
- Use high-precision OTDR technology to check off-line user(No user or power off), accuracy >90%
- Power amplification when connected into the fiber link
- One button test to quickly check the fault location in the last kilometer of FTTH (PRO version)
- Fast detection and location of Rogue ONU

Items	Specifications
Optical Port	2*SC/UPC ports
Charge Port	1*TYPE-C charge port
Protocol Analysis	Read PPPOE/LOID/PASSWORD/SN/MAC
ONU Status Test	Online, Offline, No user, Broken fiber, Unregistered
PON Power Meter	1310nm : -30~+5dBm, 1490nm : -30~+5dBm
High Precision OTDR (FOH-100 PRO Version)	Dynamic range: ≥ 6dB Pulse width: 3ns Event dead-zone: ≤ 2m Attenuation dead-zone: ≤ 6m
Power Supply	750mAh lithium battery, Input: 5V/2A
Wireless	Bluetooth
Working Temp	-10°C~40°C
Humidity	5% ~ 95% relative humidity, non condensing
Dimension	175×94×46.5mm
Weight	700g

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## FHP2P01 PON Power Meter



- Support measuring 1310nm upstream burst signal and 1490/1550nm downstream signal
- Support EPON/GPON network
- 900 data storage function
- With Pass, Warning, Fail mode
- Intelligent charging and auto power off

Items	Specifications		
Wavelength	1310nm	1490nm	1550nm
Sensor Type	InGaAs		
Isolation Rate	1490nm>40dB	1310nm>40dB	1310nm>40dB
	1550nm>40dB	1550nm>30dB	1490nm>30dB
Test Range	-40~+16dBm	-50~+16dBm	-50~+23dBm
Insertion Loss	<1.5dB		
Broadband	1260~1360nm	1480~1500nm	1539~1565nm
Accuracy	0.5dB±1nW@1550nm		
Resolution	0.01dB		
Threshold	10 groups (configured via PC software)		
Data Storage	900		
Working Temp	-10°C~+50°C		
Communication Port	USB port		
Power Supply	2*Ni-MH AA battery		
External Power Supply	DC 6V/1A		
Dimension/Weight	160L×76W×45H(mm) / about 400g		
Accessories	Power adapter, USB cable, 2*FC adapter, 2*SC adapter, 3*ceramic sleeves, 2*Ni-MH AA battery, CD, Test report, Quick guide, Carrying bag		



## FHP3P01 PON Power Meter

- Support measuring 1310nm upstream burst signal and 1490/1550nm downstream signal
- Support EPON/GPON network
- 2.8-inch TFT LCD Display with high resolution
- 1000 data storage function
- With Pass, Warning, Fail mode and LED indicator
- Equipped with protective rubber

Items	Specifications		
Wavelength	1310nm	1490nm	1550nm
Sensor Type	InGaAs		
Isolation Rate	1490nm>40dB	1310nm>40dB	1310nm>40dB
	1550nm>40dB	1550nm>30dB	1490nm>30dB
Test Range	-40~+10dBm	-50~+15dBm	-50~+20dBm
Insertion Loss	<1.5dB		
Broadband	1260~1360nm	1480~1500nm	1539~1565nm
Accuracy	0.5dB±1nW@1550nm		
Resolution	0.01dB		
Threshold	10 groups (configured via PC software)		
Data Storage	1000		
Working Temp	-10°C~+50°C		
Communication Port	USB port		
Power Supply	4*Ni-MH AA battery		
External Power Supply	12V AC/DC adapter		
Dimension/Weight	190L×105W×55H(mm) / about 700g		
Accessories	Power adapter, USB cable, 2*FC adapter, 2*SC adapter, 3*ceramic sleeves, 4*Ni-MH AA battery, Test report, Quick guide, Carrying bag		

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## FHP2G10 Power Meter

- 1270/1310/1490/1550/1577/1625nm power value test
- 10GEPON/XGPON downstream 1490nm/1577nm power value test respectively
- With threshold setting, Fail / Warning / Pass can be displayed
- 10mW VFL
- 999 groups memory capacity

Items	Specifications
Optical Port	OPM: SC/UPC; VFL: SC/UPC
Calibrated Wavelength	1270/1310/1490/1550/1577/1625nm
Test Range	-40~+10dBm
Test Accuracy	±0.5dB
Resolution	0.01
Isolation	1490nm>35dB; 1577nm>35dB
VFL	10mW, CW / 2Hz
Memory Capacity	999
Communication Port	USB port
Power Supply	2*Ni-MH AA battery
Working Temp	-10°C~+50°C
Storage Temp	-20°C~+70°C
Dimension	160L×76W×45H(mm)
Weight	300g





### FHP3P05 10GPON Power Meter

- Applicable to 10GE PON/XGPON optical power testing
- Support downstream 1490/1550/1577nm test
- Support upstream 1270/1310nm test
- With threshold setting and Pass/Fail function
- 1000 groups of data storage

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Items	Specifications				
Wavelength	1270nm	1310nm	1490nm	1550nm	1577nm
Sensor Type	InGaAs				
Test Port	2 ports, Universal or SC/UPC				
Linearity	±0.2dB @1550nm±40dBm				
Isolation of Wavelength	>30dB				
Test Range	-30~+8dBm		-40~+10dBm		
Insertion Loss	<1.5dB				
Accuracy	0.5dB				
Display Resolution	0.01dB				
Threshold	10 sets				
Data Storage	1000 groups				
Interface	USB				
Power Supply	4×1.2V AA Ni-MH batteries				
Working Temp	-10°C~+50°C				
Storage Temp	-20°C~+70°C				
Dimension/Weight	190L×105W×55H (mm) / 700g				





### FHP12 Series Mini Power Meter

- 2.5mm universal optical port
- Low power consumption, continuous use for 100 hours
- With backlight function
- Battery power display
- Compact and portable design

Items	Specifications	
	FHP12-A	FHP12-B
Sensor Type	InGaAs	
Working Wavelength	800~1700nm	
Calibrated Wavelength	850/1300/1310/1550/1490/1625nm	
Test Range	-70~+10dBm	-50~+26dBm
Resolution	0.01dB	
Accuracy	±0.35dB	
Continuous Working Time	About 100 hours	
Power Supply	2*AAA dry battery	
Working Temp	-10°C~+50°C	
Storage Temp	-20°C~+70°C	
Dimension/Weight	120L×33W×30H mm / about 70g	
Accessories	2*AAA dry battery, Quick guide, Carrying bag	

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## FHP1 Series Power Meter

- Integrated with high performance optical detector
- Support auto power off
- With backlight function
- Compact and portable design
- Support reference value setting

Items	Specifications	
	FHP-1A02	FHP-1B02
Sensor Type	InGaAs	
Connector	FC/PC	
Working Wavelength	800~1700nm	
Calibrated Wavelength	850/1300/1310/1550/1490/1625nm	
Test Range	-60~+3dBm	-40~+23dBm
Resolution	0.01dB	
Accuracy	±0.35dB	
Power Supply	4*AAA dry battery	
Working Temp	-10°C~+50°C	
Storage Temp	-20°C~+70°C	
Dimension/Weight	115L×62W×30H mm / about 140g	
Accessories	FC/PC adapter, 4*AAA dry battery, CD, Quick guide, Test report, Carrying bag	

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## FHP2 Series Power Meter

- Integrated with high performance optical sensor
- Auto wavelength recognition with FHS2 series laser source
- High accuracy and stability
- 999 group data storage function
- With computer software to export data and make reports
- With LCD backlight function and auto power off

Items	Specifications	
	FHP2A04	FHP2B04
Sensor Type	InGaAs	
Working Wavelength	800~1700nm	
Calibrated Wavelength	850/1300/1310/1490/1550/1625nm	
Test Range	-70~+10dBm	-50~+26dBm
Accuracy	±0.2dB	
Resolution	0.01	
Frequency Detection	270Hz/1kHz/2kHz	
Recognizable Wavelength	850/1300/1310/1490/1550/1625nm *(with FHS2 series laser source)	
Memory Capacity	999 groups (can be transferred to PC software)	
Power Supply	2* Ni-MH AA battery	
Working Temp	-10°C~+50°C	
Storage Temp	-20°C~+70°C	
Dimension/Weight	160L×76W×45H(mm) / 265g	
Accessories	2*Ni-MH AA battery, FC adapter, SC adapter, Power adapter, USB cable, CD, Test report, Quick guide, Carrying bag	

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## FHP-V Series Power Meter

- Integrated optical power meter and 10mw VFL function
- Hand-held design, easy to carry
- Multi units display, dB/dBm/mw/uw
- Support auto power-off and backlight

Items	Specifications	
	FHP1A01-V	FHP1B01-V
Sensor Type	InGaAs	
Connector	FC/PC	
Working Wavelength	800~1700nm	
Calibrated Wavelength	850/1300/1310/1550/1490/1625nm	
Test Range	-60~+10dBm	-40~+26dBm
Resolution	0.01dB	
Accuracy	±0.35dB	
VFL	650nm±10nm, 10mw	
Power Supply	4*AAA dry battery	
Working Temp	-10°C~+50°C	
Storage Temp	-20°C~+70°C	
Dimension/Weight	115L×62W×30H mm / about 140g	
Accessories	FC/PC adapter, 4*AAA dry battery, CD, Quick guide, Test report, Carrying bag	

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## FCA-18 CWDM Power Meter

- Simultaneously test and show 18 wavelengths
- Columnar graphics or list mode to show test data
- Save and upload test results via USB port
- Friendly interface and easy operation
- Support saving 1000 groups test data

Items	Specifications
Measuring Wavelength (nm)	1270/1290/1310/1330/1350/1370/1390/1410/1430/1450/1470/1490/1510/1530/1550/1570/1590/1610
Number of Channel	18
Test Range	-40~+5dBm
Resolution	0.01dB
Accuracy	±0.5dB
Optical Adapter	FC/PC (SC is optional)
Data Storage	1000 groups
Power Supply	Rechargeable Battery/AC power adapter
Working Temp	-10°C~+50°C
Storage Temp	-25°C~+70°C
Dimension/Weight	220L×70W×110H mm / about 850g
Accessories	CWDM Power Meter, 12V Power Supply Unit, User Manual, Cotton Swabs, Carry Bag, CD, USB cable



### VLS-8 Series Mini VFL

- 2.5mm universal adapter (FC/SC/ST)
- Max 15km test range
- CW/2Hz output
- Suitable for SM/MM fiber
- Small and portable

Items	Specifications			
	VLS-8-1	VLS-8-10	VLS-8-15	VLS-8-30
Laser Type	LD			
Laser Safety Level	CLASS IIIA	CLASS IIIB	CLASS IIIB	CLASS IIIB
Output Power	≥1mW	≥10mW	≥15mW	≥30mW
Test Range	About 5km	About 12km	About 14km	About 15km
Connector	Universal 2.5mm			
Wavelength	650nm ± 10nm			
Modulated Frequency	CW / 2Hz			
Power Supply	2*AAA dry battery			
Working Temp	-10°C~+50°C			
Storage Temp	-20°C~+70°C			
Dimension/Weight	120L×33W×30H mm / about 67.8g			
Accessories	2*AAA dry battery, Quick guide, Carrying bag			

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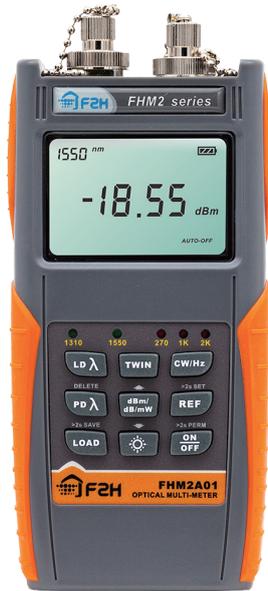




## FHS1 Series Laser Source

- Both single mode and multiple mode laser are available
- Single output interface
- Rugged and portable
- Auto power-off function
- Support CW, 270Hz, 1kHz and 2kHz mode output

Items	Specifications	
	FHS1D02	FHS1D03
Output Wavelength	1310nm & 1550nm	850nm & 1300nm
Emitter Type	LD	
Connector	FC/PC	
Output Stability	Short Term (15minutes): <0.1dB	
	Long Term (5 Hours or above): <0.2dB	
Central Wavelength	1310±20nm & 1550±20nm	850±10nm & 1300±20nm
Spectral Width	5nm	
Output Frequency	270Hz, 1KHz, 2KHz	
Output Power	-5dBm±0.5dB	
Accuracy	±1dB	
Auto Power-off	Yes	
Back-Light	Yes	
Working Temp	-10 to +50°C	
Storage Temp	-20 to +70°C	
Power Supply	4*AAA dry battery	
Dimension/Weight	115L×65W×30H(mm)/140g	
Accessories	FC/PC adapter, 4*AAA dry battery, Carrying bag, Test report, Quick guide	



## FHS2 Series Laser Source

- Both single mode and multiple mode laser are available
- Single output interface
- Rugged and portable
- Auto power-off function
- Support CW, 270Hz, 1kHz and 2kHz mode output

Items		Specifications				
		FHS2D02F	FHS2T01F	FHS2T02F	FHS2Q01F	FHS2Q02F
Output Power	-5dBm	√	√	√	√	√
Wavelength	1310/1550nm	√				
	1310/1490/1550nm		√			
	1310/1550/1625nm			√		
	850/1300/1310/1550nm				√	
	1310/1550/1490/1625nm					√
Others	270/1k/2kHz frequency	√	√	√	√	√
	Auto wavelength recognition	√	√	√	√	√

Laser type	LD
Power Supply	2*Ni-MH AA battery (Continuous use for 20 hours)
Working Temp	-10°C~+50°C
Storage Temp	-20°C~+70°C
Dimension/Weight	160L×76W×45H(mm) / 260g
Accessories	2*Ni-MH AA battery, FC adapter, SC adapter, 3*ceramic sleeves, Power adapter, USB cable, CD, Test report, Quick guide, Carrying bag
Customization	FC/APC, SC/APC, ST/APC

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### FHM2 Series Optical Multimeter

- Integrated laser source and optical power meter
- Dual or triple wavelength output
- Suitable for fiber or device insertion loss test
- Up to 999 test results storage
- With LCD backlight function and auto power off

Model	Specifications			
	FHM2A01	FHM2A02	FHM2B01	FHM2B02
<b>Laser Source Part (LD)</b>				
Output Wavelength	1310/1550nm	1310/1490/1550nm	1310/1550nm	1310/1490/1550nm
Output Power	-5dBm±0.5dB	0dBm±0.5dB	-5dBm±0.5dB	0dBm±0.5dB
Frequency Output	270Hz/1kHz/2kHz			
Wavelength Recognition	1310/1550nm	1310/1490/1550nm	1310/1550nm	1310/1490/1550nm
<b>Power Meter Part (PD)</b>				
Test Range	-70~+10dBm		-50~+26dBm	
Resolution	0.01dB			
Calibrated Wavelength	850/1300/1310/1490/1550/1625nm			
Accuracy	±0.2dB			
Frequency Detection	270Hz/1kHz/2kHz			
Wavelength Detection	Support			
Memory Capacity	999 groups			
<b>Others</b>				
Communication Port	USB			
Power Supply	2* Ni-MH AA battery			
Working Temp	-10°C~+50°C			
Storage Temp	-20°C~+70°C			
Dimension/Weight	160L×76W×45H(mm) / 260g			
Accessories	(LD)FC&SC adapter, (PD)FC&SC adapter, 2*Ni-MH AA battery, 3*ceramic sleeves, Power adapter, USB cable, CD, Test report, Quick guide, Carrying bag			
Optional	(PD) 1.25mm adapter/2.5mm adapter			

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### FHA2S02 Optical Attenuator

- Low insertion loss, wide attenuation range
- 0.05dB/1.0dB step attenuation adjust
- 8 sets of common attenuation value setting
- With LCD backlight function and auto power off

Items	Specifications
Applicable Wavelength	1310/1550nm
Fiber Type	SMF 9/125um
Signal Mode	CW/Modulated
Max Input Power	+25dBm
Attenuation Range	3~60dB
Resolution	0.05dB
Return Loss	>60dB(APC), >50dB(PC)
Insertion Loss	<3dB
Power Supply	2* Ni-MH AA battery
Working Temp	-10°C~+50°C
Storage Temp	-20°C~+70°C
Dimension/Weight	160L×76W×45H(mm) / 260g
Accessories	2*FC/PC adapters, 2*SC/PC adapters, 2* Ni-MH AA battery, Power adapter, USB cable, CD, Test report, Quick guide, Carrying bag

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### FBS8001 Desktop Laser source

- High stability of output power: 0.005db
- The output power can be adjusted independently
- Good wavelength stability
- High precision APC and ATC circuits
- LCD status display full parameters
- CWDM or DWDM or any other wavelength is optional
- Support 1~4 channel laser source

Items	Specifications
Output Channel	1~4 channels
Max Output Power	2mw/5mw/10mw/customized
Wavelength	1310nm/1550nm/customized
Laser Type	DFB/customized
Stability	±0.005dB(15 mins/10mw, 25°C)
	±0.025dB(8 hrs/10mw, 25°C )
Return Loss	>45dB
TEC Stability	±0.1°C
TEC Working Range	20~30°C
Optical Interface	FC/APC (or customized )
Output Adjustment	0.2mw(Coarse), 0.1mw(Fine)
Communication Port	RS232
Display	3.5-inch TFT color LCD
Power Supply	AC 90~260
Temperature	Working temp: 0~50°C, Storage temp: -40~80°C
Dimension/Weight	235×380×145mm/about 4kg



### FBP7001 Desktop Power Meter

- Optical power meter can be configured for external probe or panel mounting
- Intelligent alarm and threshold allocation
- Buzzer alarm and font color alarm setting
- PDL function Test
- Spectroscopic ratio, additional loss, uniformity testing function
- English and Chinese configuration function
- Provide RS232 communication function, realize the power monitoring under no one guard, automatically store the data

Items	Specifications
Wavelength Range	850~1700nm
Probe Type	InGaAs
Detector Size	Φ2.0mm
Test Range	+5~-75dBm
Linearity	±0.04dB(+5~-50dBm)
	±0.08dB(-50~-60dBm)
Uncertainty	±3%
Display Resolution	0.1/0.01/0.001dB
Power Supply	AC 220 (50Hz)
Temperature	Working temp: -5~40°C, Storage temp: -25~70°C
Dimension/Weight	235×300×96mm/about 5kg

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### OFI-3 Fiber Identifier

- Convenient and easy to use
- LED indicator is simple and clear
- Identification of 270/1k/2k Hz modulation frequency
- Direction and intensity indication of optical signal
- Natural light intensity calibration function

Items	Specifications
Fiber Adapter	RB0.25mm, RB0.9mm, RB3.0mm
Wavelength Range	900~1650nm
Frequency	CW/270Hz/1kHz/2kHz
Sensitivity	Min -50dBm
Sensitivity	1310nm @ 0.25mm: -20dBm, 0.9mm: -20dBm, 3.0mm: -20dBm
	1550nm @ 0.25mm: -30dBm, 0.9mm: -20dBm, 3.0mm: -30dBm
Display (LED)	Signal, Direction, Frequency, Intensity(5 grades), Low battery
Power Supply	2*AA battery
Working Temp	-10°C~+50°C
Storage Temp	-20°C~+70°C
Dimension/Weight	202L×62W×38H(mm) / 300g
Accessories	2*AA battery, Adapter(RB0.25mm, RB0.9mm, RB3.0mm), Carrying bag, Quick guide, Test report
Optional	RB2.0mm adapter



### OFS&OFF Optical Fiber Finder

- Find the optical fiber without service interruption
- <1dB insertion loss
- Support 0.9/1.6/2/3mm diameter fiber
- Auto identify the testing signal and indicate the result by LED indication and the sound of beep
- Clear LED indication

Items	Specifications
<b>OFS-1 Tone Generator:</b>	
Frequency	1Hz low frequency
Insertion Loss	< 1dB
Applicable Fiber Type	G.652D, G.655, G.657A1, G.657A2
Applicable Fiber Diameter	0.9/1.6/2/3mm
<b>OFF-1 Live Fiber Identifier:</b>	
Wavelength	900~1650nm
Recognizable Signal Type	CW, 270Hz, 1kHz, 2kHz, 1Hz
Sensor Type	Φ1mm InGaAs
Adapter	RB0.25、RB0.9、RB2.0、RB3.0
Sensitivity	minimum -50dBm
Sensitivity Without Adapter Loss @1310nm	RB0.25: -20dBm, RB0.9: -20dBm, RB3.0: -20dBm
Sensitivity Without Adapter Loss @1550nm	RB0.25: -30dBm, RB0.9: -30dBm, RB3.0: -30dBm
<b>Others:</b>	
Power Supply	2*AA dry battery (continuous working time: 38 hours)
Working Temp	-10°C~+50°C
Storage Temp	-20°C~+70°C
Dimension/Weight	202L×62W×38H(mm) / 300g
Accessories	OFS-1 Tone Generator, OFF-1 Live Fiber Identifier, 4*AA dry batteries, Adapter (RB0.25mm, RB0.9mm RB2.0mm and RB3.0mm), Test report, Carrying bag, Quick guide

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