ATO-750 Series OTDR

(Optical Time Domain Reflectometer)

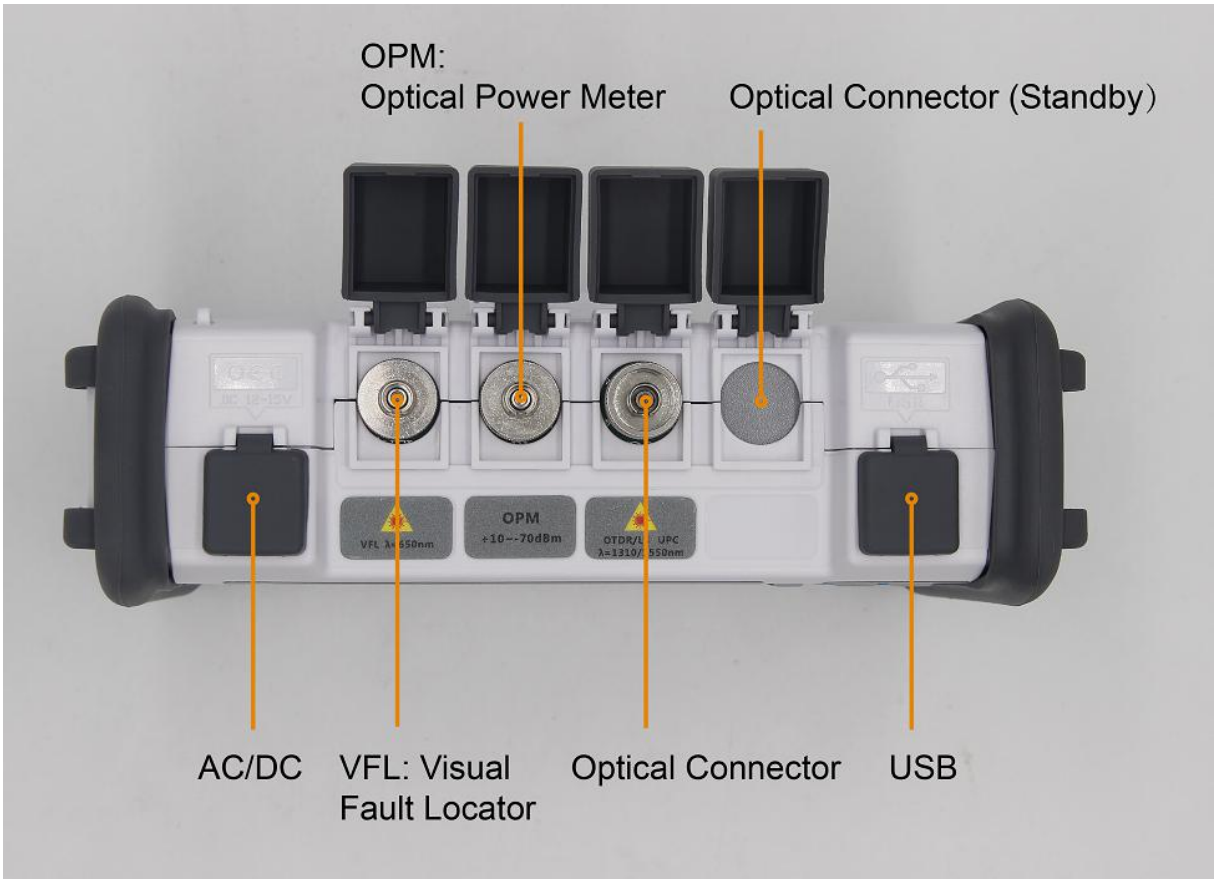
Features:

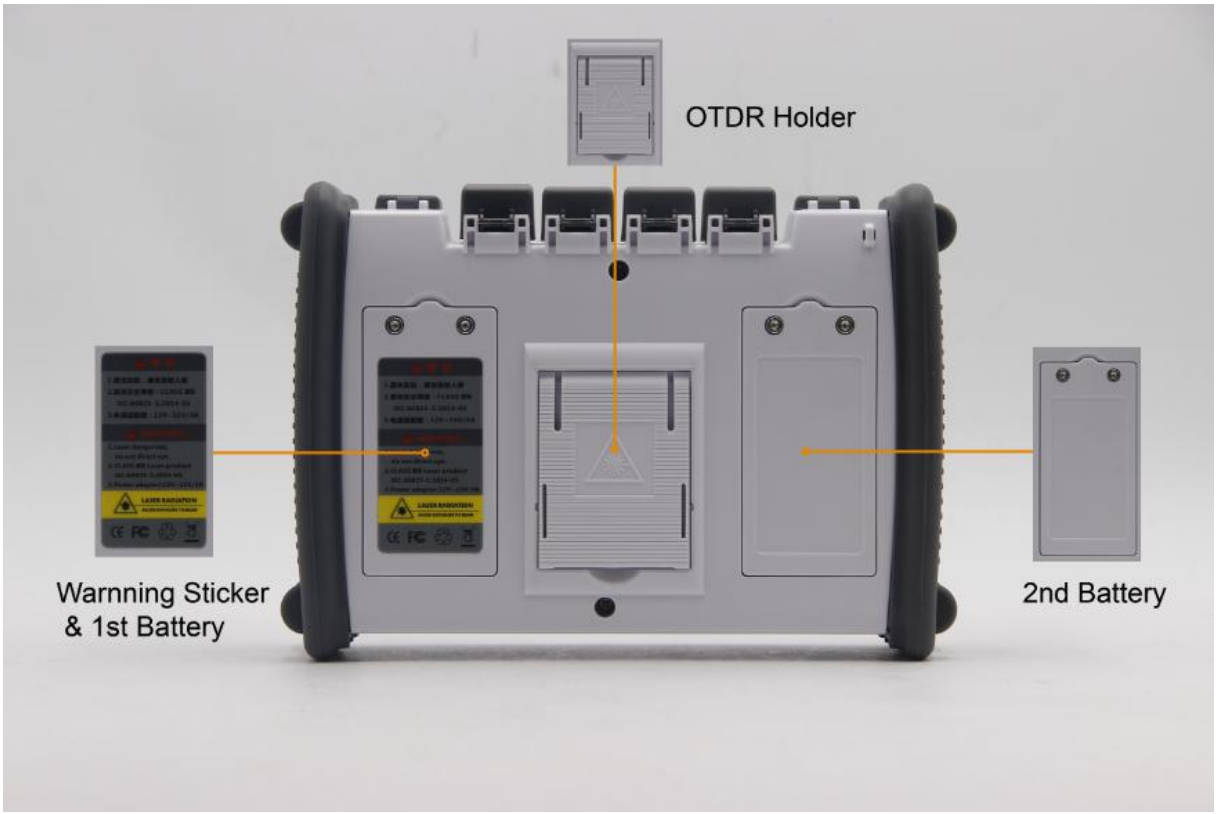
1. Event Map (Smart Link Analyzer)
2. 5.6-inch HD touch screen
3. User Friendly
4. Ultra-High Capacity Battery
5. Support Multi-language, Multi-functions

Description

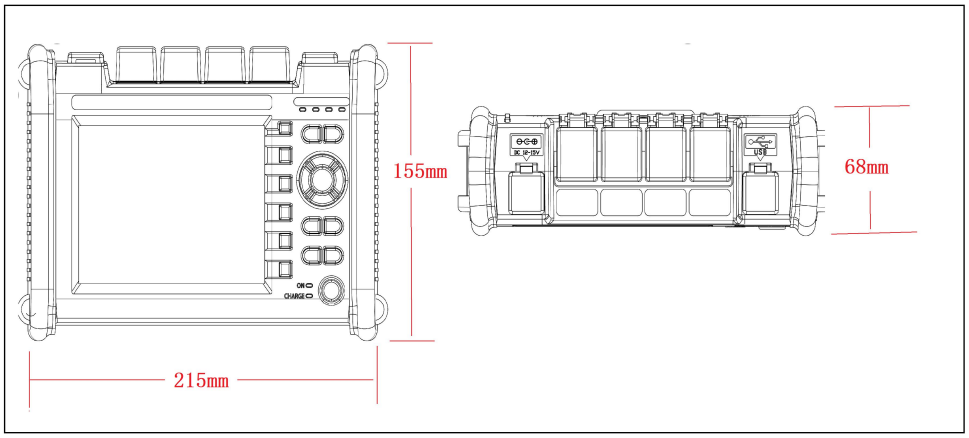
ATO-750 is used in the installation an maintenance of fiber optic cables. Features of ATO-750 include high precision test Capabilities, fast response time and easy to learn to operate. The ATO-750 Series offers accurate and fast results and creates a report automatically.

Structure:


OPM:
Optical Power Meter
Optical Connector (Standby)
OPM
AC/DC
VFL: Visual
Fault Locator
Optical Connector
USB


OTDR Holder
Warnning Sticker
& 1st Battery
2nd Battery

General Specification

Display	5.6 inch TFT-LCD (touch screen)
Battery	7.4V/2500mAh X 2 lithium battery Continuously test: 8 hours (back light off),③ Charging time: 3 hours
Data Storage	100,000 groups of curves
Interface	USB A Type×1, Micro-USB×1）
Working Temp	-10℃~+50℃
Storage Temp	-20℃~+70℃
Humidity	≤95% (non-condensation)
Accessories	Main unit, 12V power adapter, Lithium battery, FC adapter, USB cord, User guide, carrying case, wrist belt
Dimension	8.5× 6×2.7 inches/ 1.25 pounds (battery included) 215×155×68 mm/ 1.1kg (battery included) 

Test parameter

Pulse Width	3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs, 20μs
Testing Distance	500m,1km, 2km, 5km, 10km, 20km, 40km, 80km, 120km, 200km, 240km
Sampling Resolution	Minimum 5cm
Sampling Point	Maximum 256,000 points
Linearity	≤0.05dB/dB

scale Indication	X axis: 4~70m/div, Y axis: 0.09~5dB/div
Loss Threshold	0.01dB
Loss Resolution	0.001dB
Distance Resolution	0.01m
Distance Accuracy	±(1m+measuring distance×3×10^{-5}+sampling resolution) (excluding IOR uncertainty)
Refraction Setting	1.2000~1.5999, 0.0001 step

VFL Module (Optional)

Wavelength	650nm
Power	10mw, CLASSIII B
Range	12km
Connector	FC/UPC
Launching Mode	CW/2Hz

OPM Module (Optional)

Wavelength Range	800~1700nm
Calibrated Wavelength	850/1300/1310/1490/1550/1625/1650nm
Test Range	-60~+5dBm
Resolution	0.01dB
Accuracy	±0.35dB±1nW
Modulation Identification	270/1k/2k Hz,Pi≥-40dBm
Connector	FC/UPC

LS Module (Optional)

Wavelength Range	1310/1550/1625/,850/1300
Output	-5dBm±2dB
Output mode	CW/270/1k/2k Hz

Connector	FC/UPC

Other Modules (Optional)

GPS/GNSS	Customized
WIFI/Bluetooth	Customized
IOT module	Customized
GPS/GNSS	Customized

Packing Info

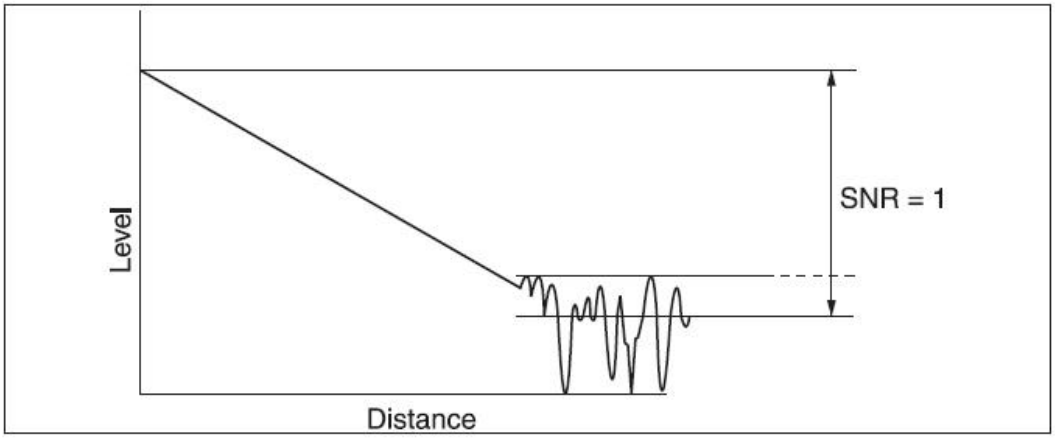
Dimension (L*W*H)	13.5×10×6.5 inches	340×255×160mm
Weight	3.1 Pounds (including Battery)	2.8KG (including Battery)

Model Number:

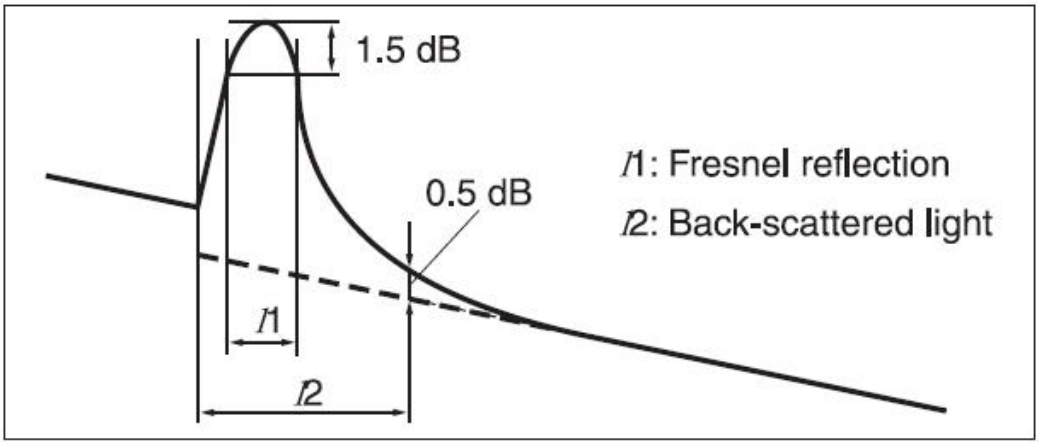
Model	Wavelength (nm)	Dynamic Range(dB)①	Event/Attenuation Dead Zone（m）②
ATO-750-D28	1310/1550	28/26	0.8/4
ATO-750-D32	1310/1550	32/30	0.8/4
ATO-750-D35	1310/1550	35/33	0.8/4
ATO-750-D37	1310/1550	37/35	0.8/4
ATO-750-D40	1310/1550	40/38	0.8/4
ATO-750-D42	1310/1550	42/40	0.8/4
ATO-750-TS26	1625	26	0.8/4
ATO-750-TS32	1625	32	0.8/4
ATO-750-TCS26	1650	26	0.8/4
ATO-750-TCS32	1650	32	0.8/4
ATO-750-T35	1310/1550/1625	35/33/32	0.8/4
ATO-750-TC35	1310/1550/1650	35/33/32	0.8/4
ATO-750-M24	850/1300	20/24	1.2/5
ATO-750-MD28	1310/1550 850/1300	28/26 28/30	SM：0.8/4 MM：1.2/5
ATO-750-MD35	1310/1550 850/1300	35/32 28/30	SM：0.8/4 MM：1.2/5

Notes:

①Dynamic range is measured with maximum pulse width, averaging time is 3 minutes, SNR=1; The level difference between the RMS noise level and the level where near end back-scattering occurs.



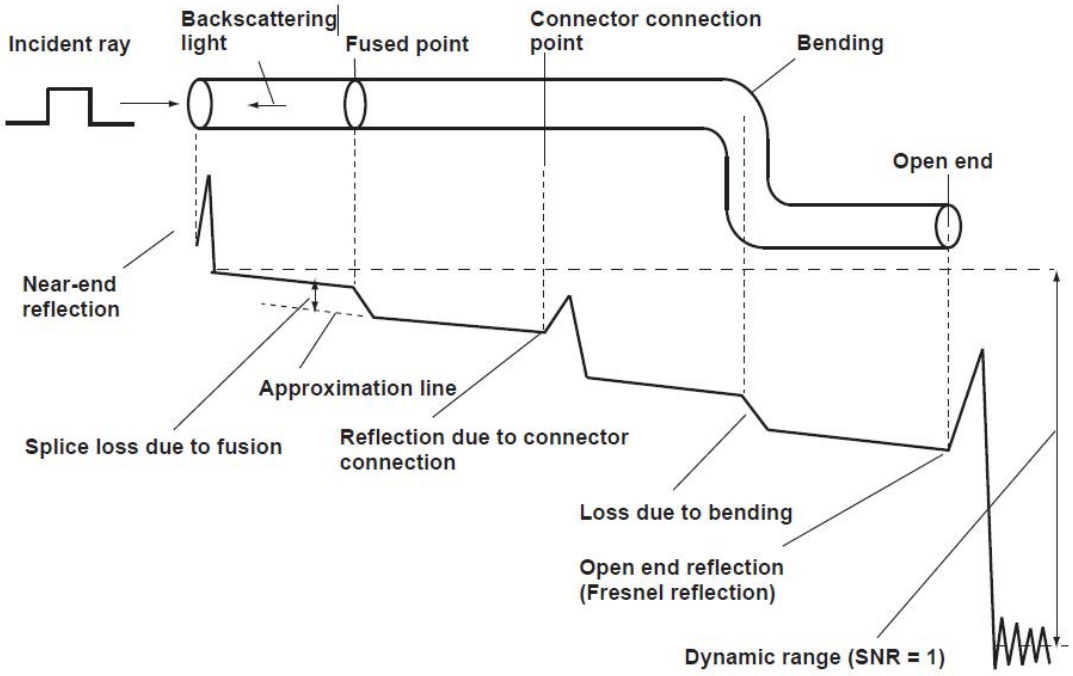
②Event dead zone is measured with pulse width of 3ns; attenuation dead zone is measured with pulse width of 5ns.



Detailed Software Features:

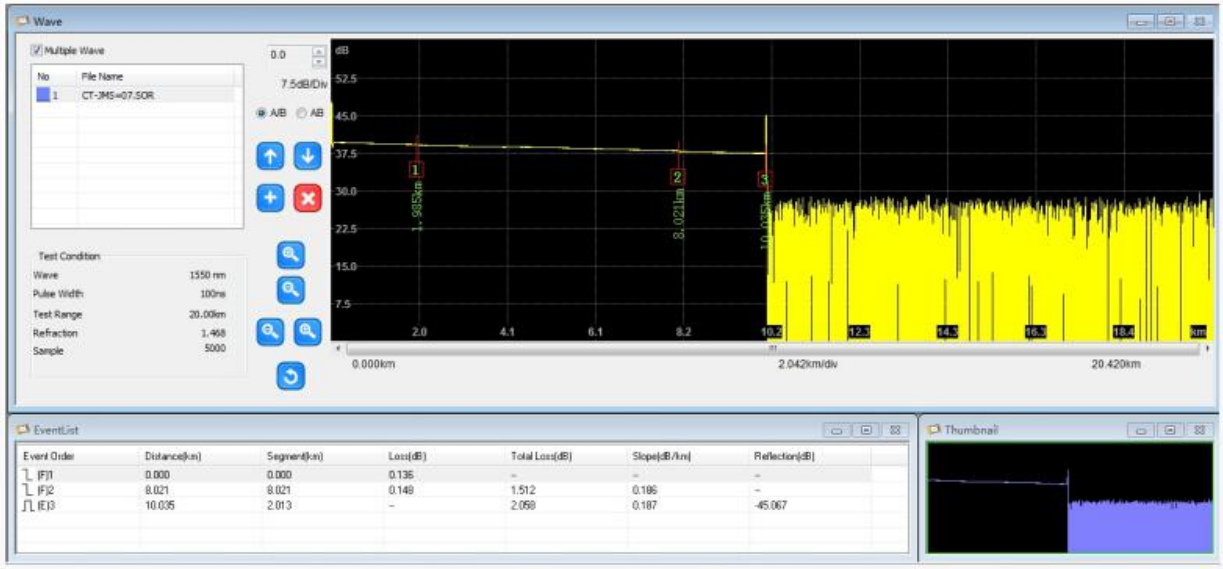
User Friendly Menu

Simplified menu helps customers understand test result easily.



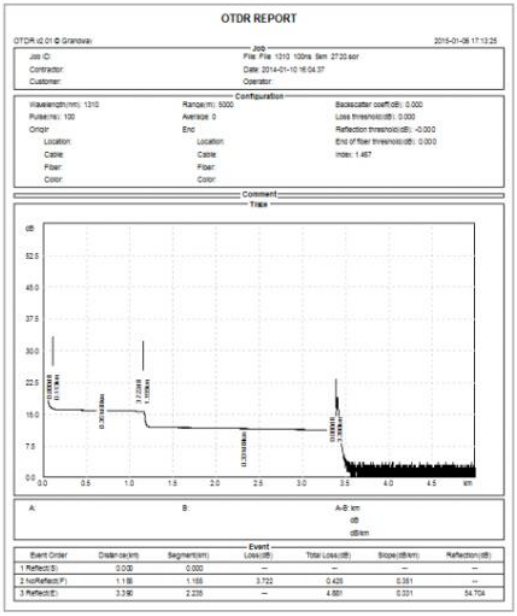
Data Manager(PC)

Within a few steps, Customers can print out detailed result files by using Use Data Manager(PC).

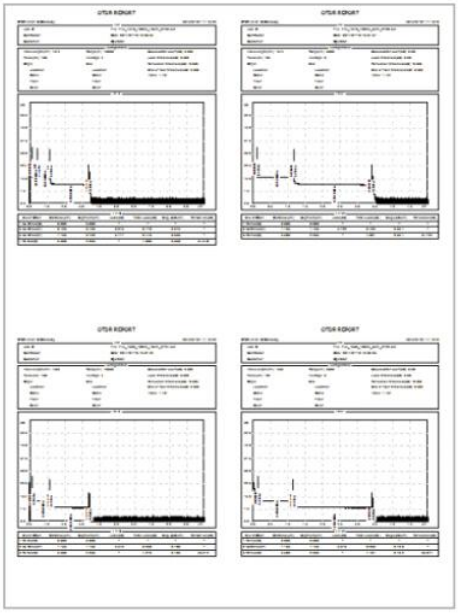


Detailed Report

Brief but nor simplified report and support multi-result printing.



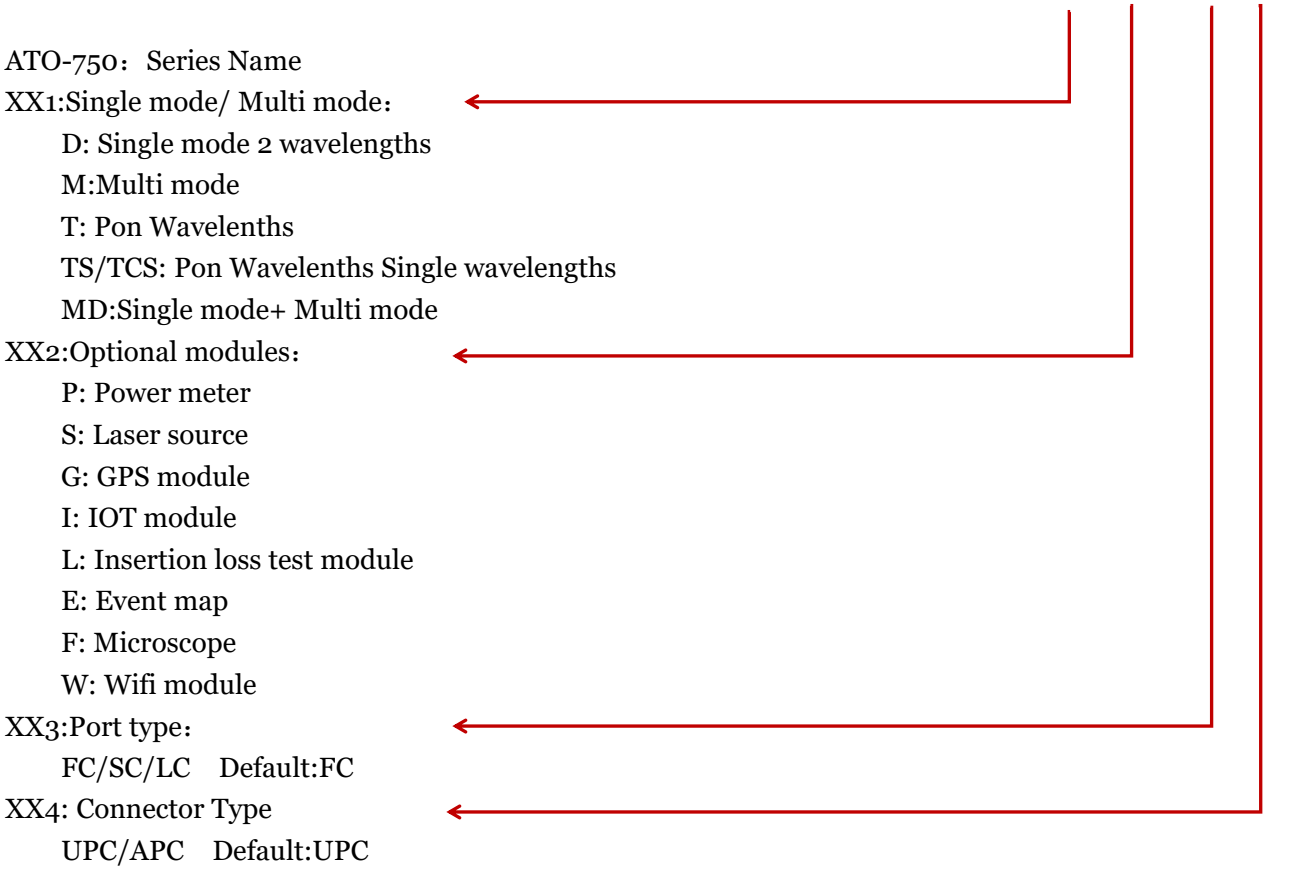
1 in 1



4 in 1

Ordering Information:

Model Type：ATO-750-XX1-XX2-XX3-XX4



ATO-750：Series Name

XX1:Single mode/ Multi mode：

- D: Single mode 2 wavelengths
- M:Multi mode
- T: Pon Wavelenths
- TS/TCS: Pon Wavelenths Single wavelengths
- MD:Single mode+ Multi mode

XX2:Optional modules：

- P: Power meter
- S: Laser source
- G: GPS module
- I: IOT module
- L: Insertion loss test module
- E: Event map
- F: Microscope
- W: Wifi module

XX3:Port type：

FC/SC/LC Default:FC

XX4: Connector Type

UPC/APC Default:UPC