



# XGPON Power Meter

## AOF600XG



- ◆ Compatible with GPON and EPON networks
- ◆ Supports 10G-capable PON networks
- ◆ Pass-through mode for ONT/ONU verification

### Insertion loss testing

On top of using for PON service activation, AOF600XG can be used to measure insertion loss (IL) of fiber networks at the central office, combining with a portable light source or the PON system transmit cards of the optical line terminal (OLT). The AOF600XG and the mobile application feature a loss testing mode to take a reference for accurate IL measurement of the fiber under test.

### Multiple PON technologies supported on a single unit

	UPSTREAM(nm)	DOWNSTREAM(nm)
BPON (ITU-T G983.3)	1310	1490
GPON (ITU-T G984.2)	1310	1490
1G EPON (IEEE 802.3)	1310	1490
XG(S) -PON (ITU-T G987.2)	1270	1578
TWDM NG-PON2 (ITU-T G989.2)	1524-1554	1596-1603
10G EPON (IEEE 802.3)	1270	1577
RF overlay		1550
RFoG (ANSI/SCTE 174.2010)	1310 or 1610	1550

### Standard



Carrying bag



Calibration certificate



Packing box



CD

### Optional



AC/DC adapter



ISO14001:2015



## FTTX SPECIFICATION

		Spectral passband(nm)	Power measurement range(dBm)	Calibrated wavelength (nm)	Maximum total safe power (dBm)
ONT/ONU Upstream burst mode	1270nm	1260-1280	-10~+10	1270	16
	1310nm	1290-1330	-35~+8	1310	
	1524-1544nm	1330-1630 <sup>b</sup>	-10~+10	1534	
	1550nm	1330-1630	-10~+10	1550	
	1610nm	1330-1630 <sup>b</sup>	-10~+10	1610	
OLT Downstream	1490nm	1480-1500	-45~+10	1490	17
	1550nm	1540-1560	-45~+20	1550	27
	1577-1578nm	1573-1630	-45~+10	1578	20
	1596-1603nm	1573-1630	-45~+10	1600	
	1610nm	1573-1630	-45~+10	1610	

## GENERAL SPECIFICATIONS

ORL(dB)	40~50 <sup>a, c</sup>
Pass-through Insertion Loss(dB)	1.5 <sup>a</sup>
Power Uncertainty(dB)	0.5 <sup>a, d</sup>
Connector	SC/APC or customize
Display Resolution	0.01dB
Units	dBm/dB/mW/nW (mW/nW auto-switch)
VFL	10mW, 2.5mm universal connector
Size	38*95*168mm
Weight	270g
Operation Temperature	-10 -- +50°C < 95%RH
Storage Temperature	-20 -- +70°C < 95%RH

a. Typical value @ 23±3°C, SC/APC connector.

b. 1555nm±5nm is excluded from the spectral passband for AOF500XG OPM.

c. At calibrated wavelength.

d. At input level 2dBm, CW.

## ORDERING INFORMATION

AOF600XG-SCA, SC/APC connector

AOF600XG-SCU, SC/UPC connector