PMT-200 PON Installation Tester

WiFi

PMT-200 support GPON ONT emulation allows field technicians to troubleshoot and validate GPON network installations (from PON ID analysis, optical power readings and ODN total loss).
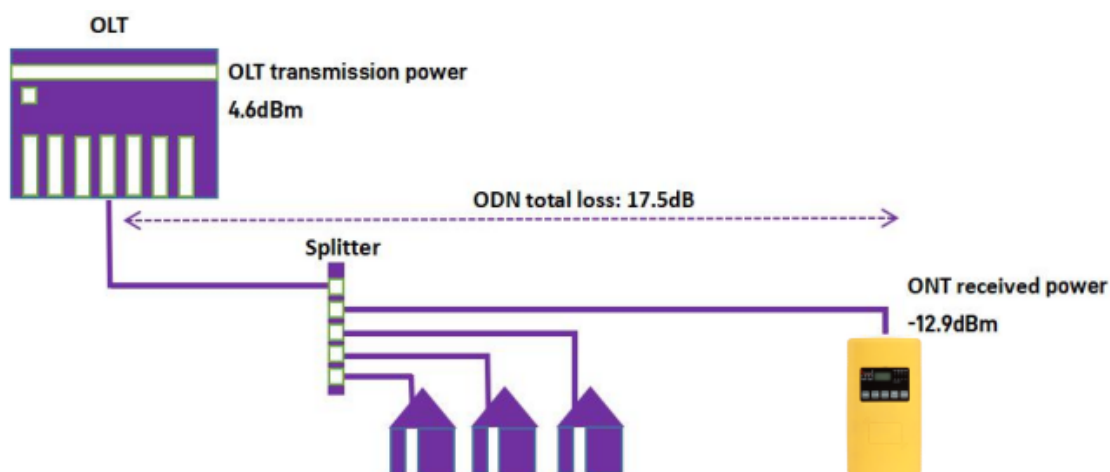
Features:

1: GPON ONT emulation to extract PON ID, OLT Tx power, ONT Rx power, ODN loss, ONT activation status
2: Easy operation on mobile phone software via WiFi connection
3: Support OPM and VFL function
4: 6700mAh lithium battery support long working hours

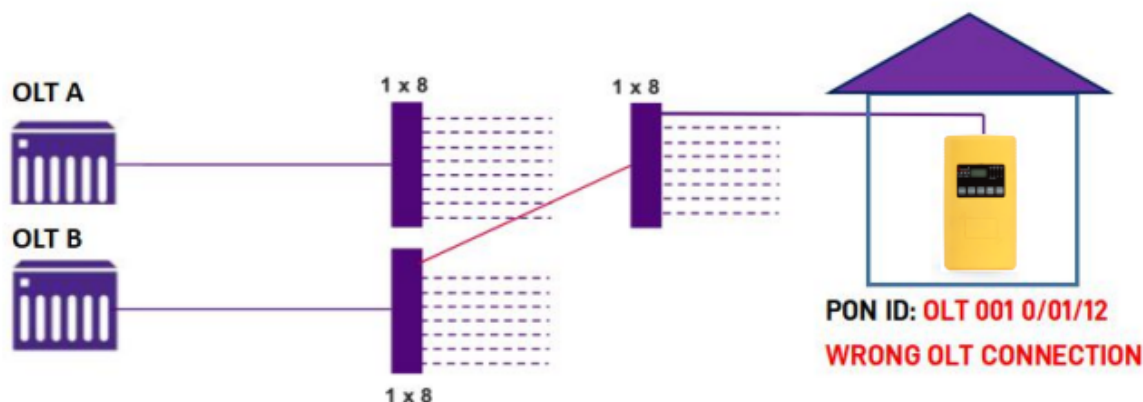OLT

OBD

PMT-200

WiFi

Grandway

GPON ONT EMULATION

The PMT-200 GPON ONT emulation is ideal for many different GPON testing scenarios. It can be used for FTTH deployments, troubleshooting and validation. For deployment purposes, the PMT-200 can be used get the OLT Tx optical power, the ONT Rx optical power and the ODN loss from OLT to ONT.

OLT

OLT transmission power
4.6dBm

ODN total loss: 17.5dB

Splitter

ONT received power
-12.9dBm

Function1: ODN loss testing

For troubleshooting, the PMT-200 can derive the PON ID which helps the technician to understand why an ONT is not synching up with the OLT, typically when the PON ID is incorrect the fiber has been attached to an incorrect port.

OLT A

1 x 8

1 x 8

OLT B

PON ID: OLT 001 0/01/12
WRONG OLT CONNECTION

1 x 8

Function2: PON ID validation

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Specifications：

Model	PMT-200
GPON ONT emulation	
GPON ONT emulation	Grandway GPON SFP
Optical interface	SC/APC or SC/UPC
Standard	Comply with g.984.1/2/3/4 GPON standard Comply with g.988 OMCI standard
Test result	OLT PON ID, OLT Tx power, ONT Rx power, ODN loss, ONT activation status
Others	
VFL	Output power: 10mw Working wavelength: 650±10nm Working mode: CW/2Hz
OPM	Calibrated wavelength: 850/1300/1310/1490/1550nm Testing range:-70~+10dBm
Optical interface	1*SC PON port 1*2.5mm universal OPM port 1*2.5mm universal VFL port
Wireless	WiFi connection with Android phone
Power supply	6700mAh lithium battery
Working temp	0~45℃
Dimension	175x94x46.5mm
Weight	577g

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