

PON Power Meter

Model # LP-3PX



WARNING

- Do not look at the laser 's direct ray, reflected ray from a mirror, or indirect ray without the proper protective eyewear.
- Use the Correct Power Supply and AC Adapter
- When not in use for a long time, please take out the battery from the instrument to avoid the damage caused by battery leakage
- Do not use the instrument in one hour after moving the device from the cold area to the hot area, to avoid condensation phenomenon.

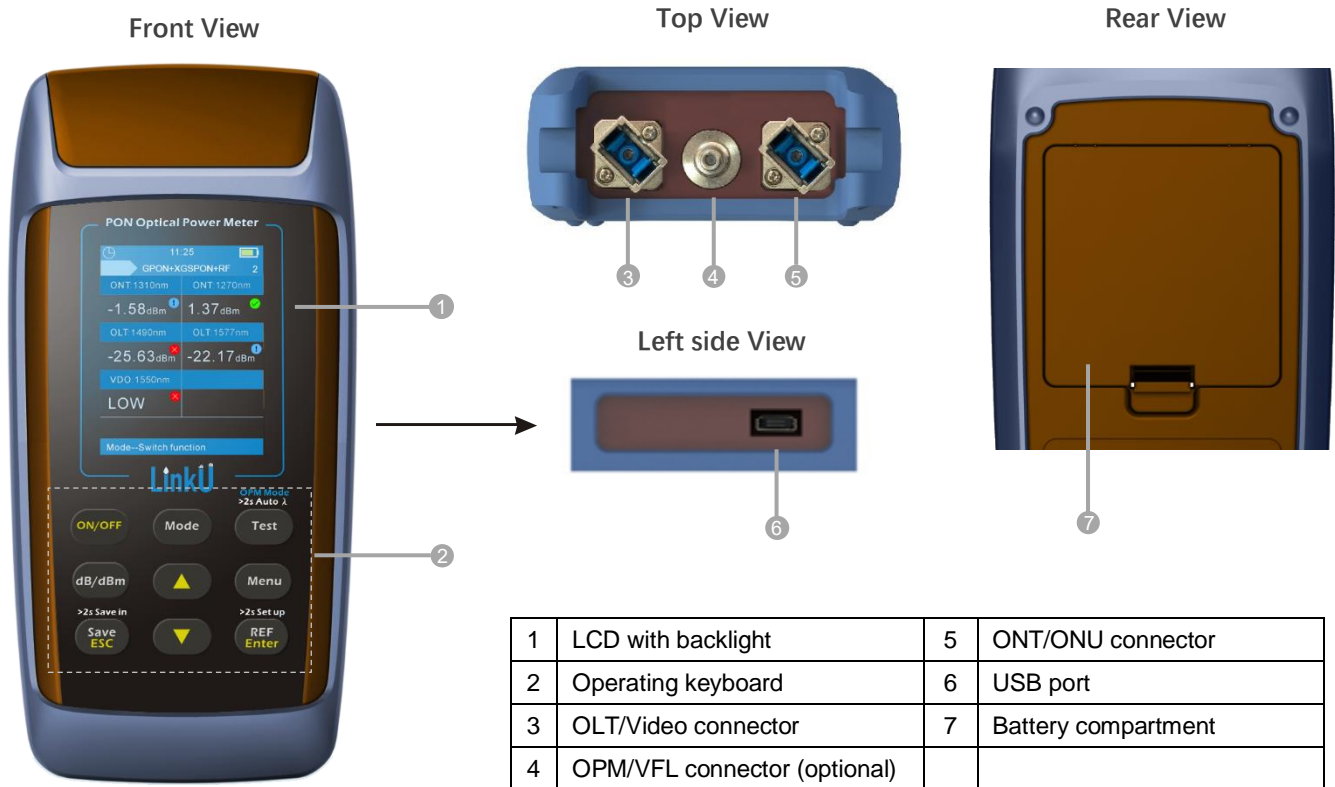
Maintenance

- Please disconnect the DC adapter/charger and cover the protective dust cap once you finish using.
- Please clean the optical connectors when they get dirty through use. Optical cleaning pads and anhydrous alcohol is recommended.
- If the instrument goes wrong, please give it to the nearest agent for repair. If the customer repairs without permission, the warranty service will be invalid.

※ The contents of this manual are subject to change without prior notice as a result of continuing improvements.

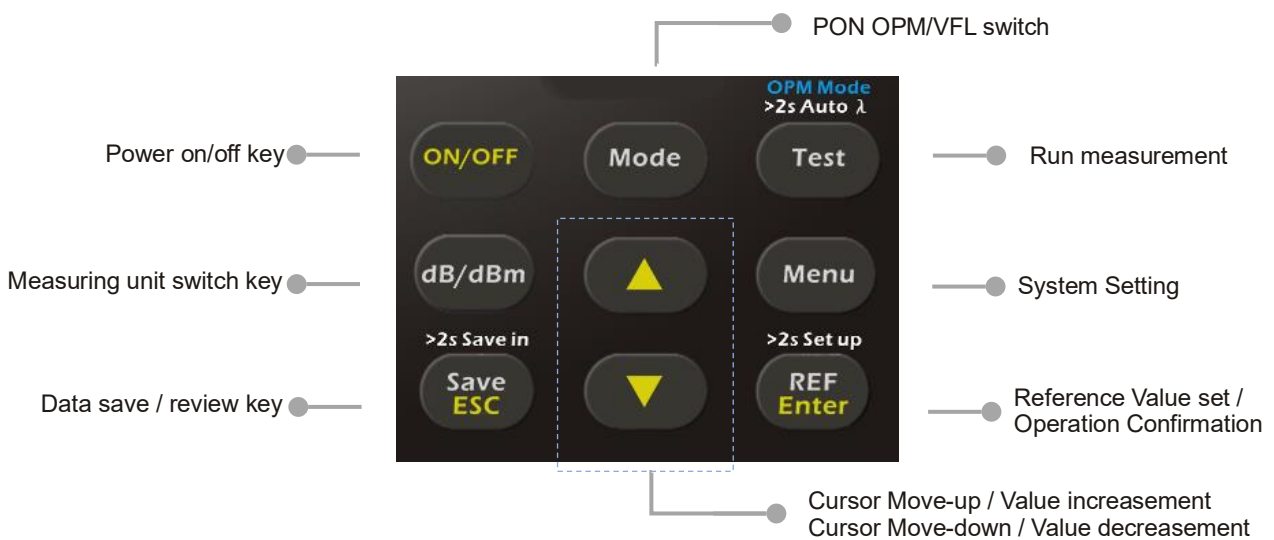


Overall Layout



1	LCD with backlight	5	ONT/ONU connector
2	Operating keyboard	6	USB port
3	OLT/Video connector	7	Battery compartment
4	OPM/VFL connector (optional)		

Key-board



Power On/Off

Long press **ON/OFF** to turn on the instrument, long press it again to turn off.

XG PON OPM - Measurement & P/F Judgement

After power on, the LP-3P will enter PON power meter mode to measure upstream data signal 1310nm, downstream data signal 1490nm and downstream video signal 1550nm at the same time.

Press the **Test** key, by comparing the measured value with the threshold value (preset in System Setting 3/4), an icon will be displayed next to the test data to indicate each measured value is qualified or not. Also, the group number of the preset threshold value will display in the upper right corner of the screen.

The meaning of each icon is as follows:

- ✔ - Pass
- ✘ - Fail
- ! - Warning



XG PON OPM - Measuring Unit Switching


Press **dB/dBm** to switch the measuring unit. The currently used unit will be saved when power off. The measuring unit will turn to dB in REF mode.




XG PON OPM - Reference Value Set/Review

Long press **REF Enter** key for 2 seconds to set the current power value as new reference value, and then the measuring unit turns to dB. The reference value can be reviewed by pressing **REF Enter** key. Press **dB/dBm** to quit REF mode.



XG PON OPM - Data Storage

Long press  to save the currently measured optical power value (the number of stored records will flash 2 second in the screen).

Short press  to review the stored records. Press  or  to review previous or next record.

Press  again to quit.



Long Press

Short Press

GPON+XGSPON+RF		12
ONT:1310nm	ONT:1270nm	
-1.30 dBm	1.54 dBm	
OLT:1490nm	OLT:1577nm	
-21.26 dBm	-23.71 dBm	
VDO:1550nm		
LOW		
Mode--Switch function		

number flash

Save the value to records

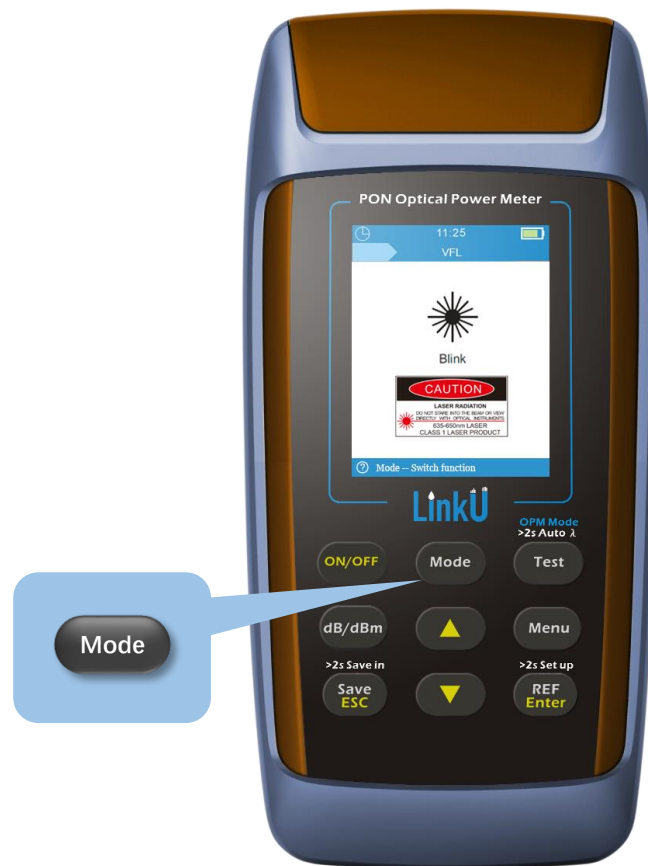
XGPON power meter's file		
ONT:1310nm	ONT:1270nm	
-1.30 dBm	1.54 dBm	
OLT:1490nm	OLT:1577nm	
-21.26 dBm	-23.71 dBm	
VDO:1550nm		
LOW		
		▲ 12 / 1000 ▼
ESC -- Exit		

Review stored records

VFL Mode (optional)

If the instrument comes with VFL module, press **Mode** key to enter VFL mode, and press **Test** to activate the VFL.

(on → glint → off)



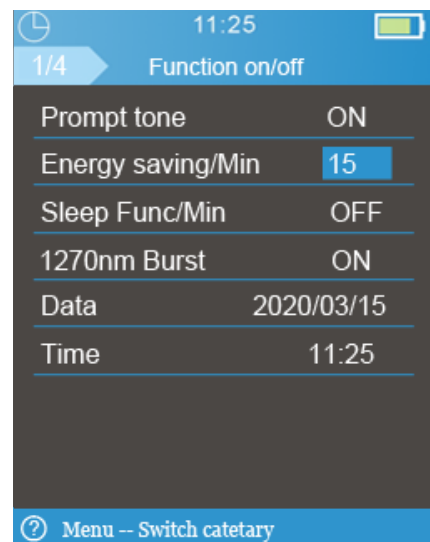
System Settings

Press **Menu** to enter System settings, there are 4 pages, press **Menu** key to cycle through the three menu pages.

Press **▲** or **▼** key to choose item, press **REF Enter**, then the editable figure turns to red, press **▲** or **▼** key to edit. To confirm / save the edit, press **REF Enter** and then the figure turns to white.

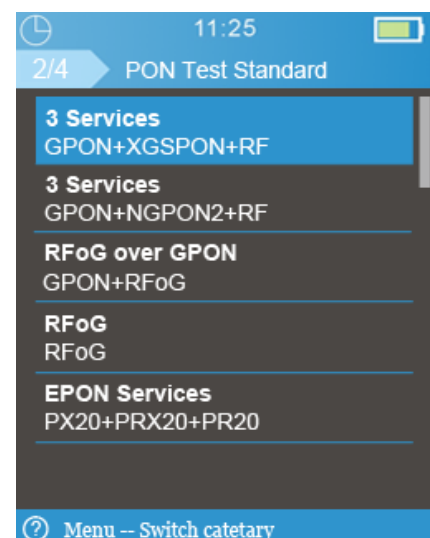
1/4

In the 1/4 page, there are 6 settings could be edited: key tone, auto-off, sleeping mode, 1270nm (burst) activation, date and time.



2/4

In the 2/4 page, user can choose different PON testing standards, then the testing wavelengths will be changed accordingly.



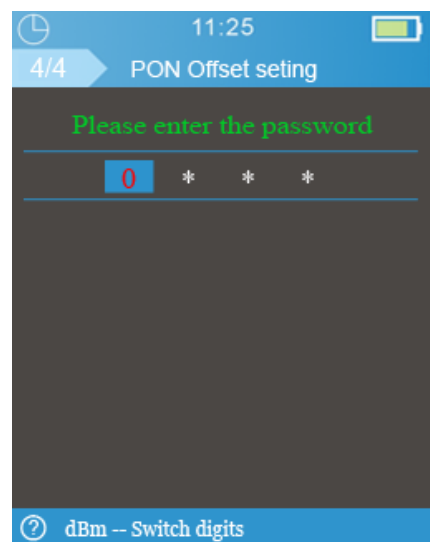
3/4

In the 3/4 page, user can set up to 10 groups of threshold values for quick judgement of the measured value.



4/4

The 4/4 page is for PON offset setting. After the instrument is used for a period of time, there will be measurement deviation due to various reasons. This deviation can be eliminated by calibration. Because this operation must be carried out by authorized professionals, so, an authorization password is required to access to this menu. Please contact your local distributor to get the password.



Battery Charging

The instrument can be powered by rechargeable batteries. The battery indicator on the screen will flash when charging and will stop flashing when the batteries are fully charged.

Caution:

1. The rechargeable batteries must be put in the battery compartment when use the AC/DC adaptor for charging.
2. Do not charge the non-rechargeable batteries, or, the instrument would be damaged, and the warranty service will be invalid.





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