PON Power Meter

Model # LP-3PS

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.
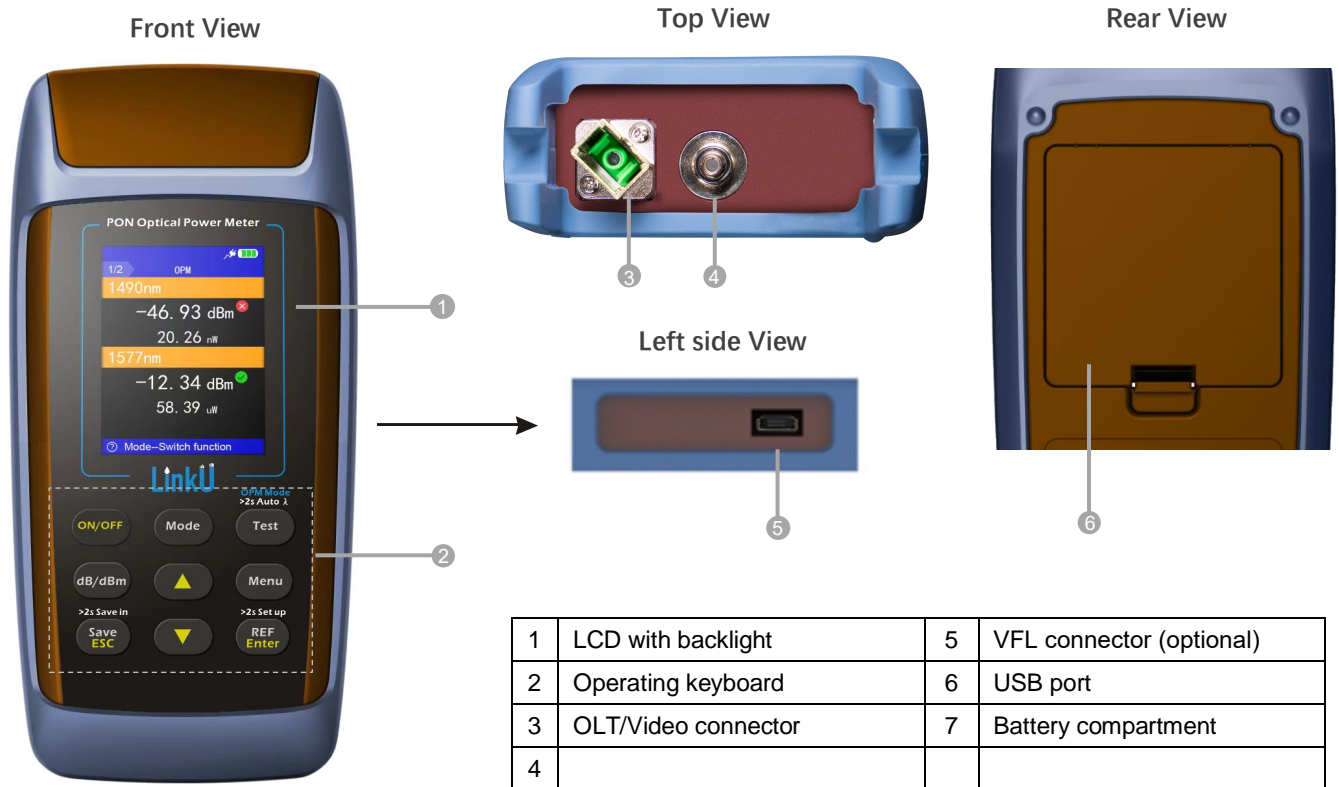
Maintenance

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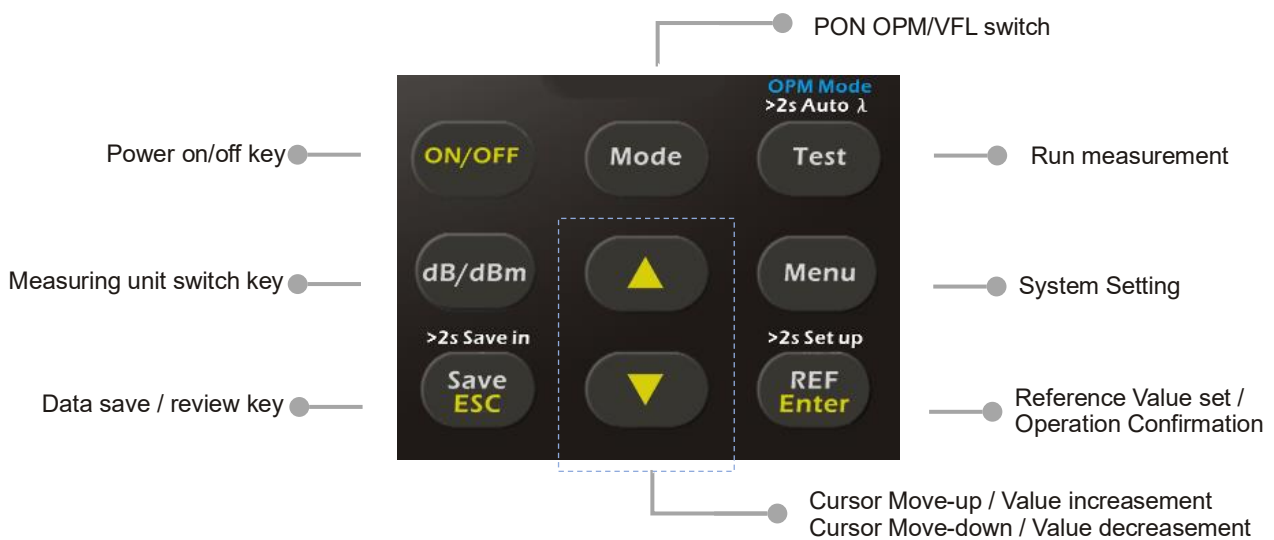
※ The contents of this manual are subject to change without prior notice as a result of continuing improvements.

Overall Layout

Front View

Top View

Rear View

Left side View

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

Key-board

PON OPM/VFL switch

Power on/off key

Run measurement

Measuring unit switch key

System Setting

Data save / review key

Reference Value set / Operation Confirmation

Cursor Move-up / Value increasement
Cursor Move-down / Value decreasement

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

Short press the **TEST** key, LP-3PS will start to the measuring the power value of the corresponding wavelength and display it on the screen.

Long press the **TEST** key comparing the measured value with the threshold value (preset in System Setting 2/3), The LP-3PS will determine whether the signal strength is qualified. Also, the group number of the preset threshold value will display in the upper right corner of the screen.

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

Short press **REF Enter** "REF" will be displayed in the upper right corner of the screen, and the screen shows the set reference power value. In 2 seconds, it will returns to the main interface.

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.

Short press **dB/dBm** to quit REF mode.

XG PON OPM - Data Storage

Long press **>2s Save in / Save Esc** to save the currently measured optical power value (the number of stored records will flash 2 second in the screen).

Short press **>2s Save in / Save Esc** to review the stored records. Press **▲** or **▼** to review previous or next record.

Press **>2s Save in / Save Esc** again to quit.

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, press [Menu] key to cycle through the 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.

In the 2/3 page, short press [Menu] twice, the instrument enters the "Test Threshold" setting interface, and sets the judgment threshold.

User can set up to 10 groups of threshold values for quick judgement of the measured value by selecting the number after "Threshold Group Number". Long press [TEST], the upper right corner of the screen will display the corresponding group number used for the current judgment.

After the instrument is used for a period of time, there will be measurement deviation due to various reasons. User can solve this problem by setting the "offset" in the 3/3 page --- PON offset setting.

Short press [Menu] three times and then input password to enter the "OPM offset setting". Press [△] or [▽] to select the wavelength of the offset to be set. After that, press [REF Enter] first, and then press the [△] or [▽] to adjust the offset value. After setting, press [REF Enter] to save.

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.

DC5V / 500mA