



OLS200

Optical Light Source

User Guide _ Version 1.0

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During the warranty period, you and Ascentac will pay the shipping costs for repairing products for one time respectively. Products returned without proof of purchase or with expired warranty will be repaired or replaced by Ascentac's decision. You shall pay the charges, including maintenance cost, shipping, insurance, duties, taxes, import fees or others which may be caused.

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- The label with S/N has been altered or damaged.

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Service & Support

If you have any questions or need any assistance, please contact our service center.

- Kaohsiung Office
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Please prepare below information before you contact us and describe the problems.

- Product model and S/N
- Warranty information


Content

1. Safety Information	1
2. Introduction	2
2.1 Features	3
2.2 Application	3
3. Layout	4
3.1 Appearance	4
3.2 Instruction	5
3.3 LED Indicator	6
4. Display	7
4.1 Optical Light Source (OLS)	7
4.2 Visual Fault Locator (VFL) (Option)	7
5. Operation	8
5.1 Power-on.....	8
5.2 Power-off	8
5.3 Laser-on.....	8
5.4 Laser-off	9
5.5 Setting Wavelength.....	9
5.6 Setting Modulation Output	10
5.7 Device Setting.....	11
5.7.1 Date.....	11
5.7.2 Time	12
5.7.3 Power Saving (Default: 10 mins)	13
5.7.4 Screen Saving (Default: 5 mins)	14

5.7.5	Brightness (Default: Mid)	15
5.7.6	Battery Charge (Default: OFF)	16
5.7.7	Device Info.	17

1. Safety Information

Read all safety information carefully before using this product to ensure personal safety and proper use.

- Assure the power supply conforming to the specification of this product and qualified for the country of use.
- Use batteries that meet the specifications of this product.
- Do not use damaged power cords, accessories or other peripheral equipment.
- Make sure the product is operated on the permitted ambient conditions.
- Never directly look into the optical outputs interface.
- Dangerous laser radiation: 

2. Introduction

Ascentac OLS200 Series, Optical Light Source, provides highly stable output power. It is available in a choice of wavelength, including 850nm & 1300nm for multi-mode and 1310nm, 1490nm, 1550nm & 1625nm for single-mode. Customers can select two wavelengths at most in one unit. Its tone generation includes CW (Continuous Wave) and modulated tones at 270Hz, 1kHz, 2kHz.

Ascentac OLS200 Series can be used in conjunction with Ascentac OPM120 Series to provide accurate optical loss measurements. It enables Ascentac OPM120 Series to automatically switch to the proper calibration parameter. The feature reduces the time for communication between two technicians and decreases the possibility of errors.

Ascentac OLS200 Series with low battery indicator can be powered by dry batteries or rechargeable batteries. It also has functions of auto shutdown and backlight sleep mode to extend the battery running time.

2.1 Features

- Two wavelengths at most in one unit
- CW(Continuous Wave) or modulated tones at 270Hz, 1kHz or 2kHz
- Auto shutdown & backlight sleep mode for extending the battery life (Programmable)
- Option: Function of Visual Fault Locator with CW (Continuous Wavelength) or modulated tones at 1Hz or 2Hz

2.2 Application

- Fiber identification
- Performing with Optical Power Meter to measure the loss of optical fiber

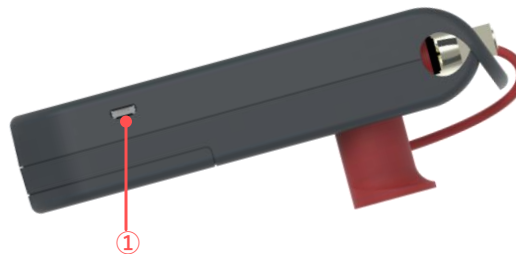
3. Layout

3.1 Appearance

- Front






- Side



- Back



3.2 Instruction

Button	Function	Description
	Power on/off	Long press for two seconds to turn on/off the meter.
	Wavelength selection	Short press to switch wavelength.
	Laser on/off	Long press for two seconds to turn on/off the laser.
	Setting	Short press to access device setting.

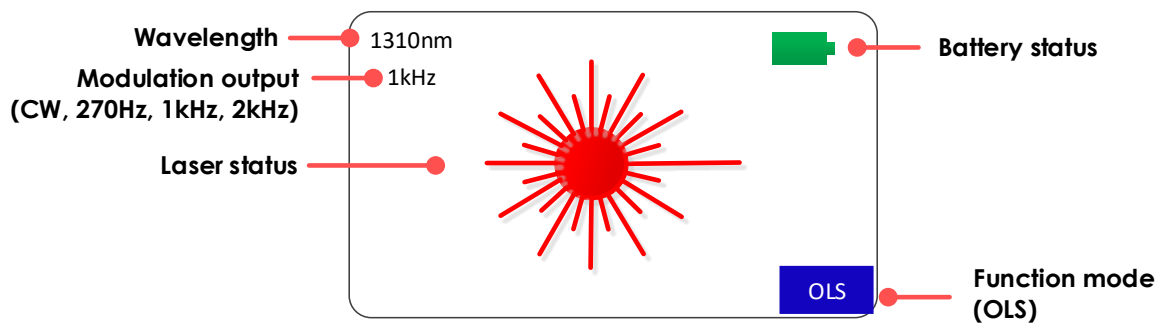
Item	Function	Description
1	USB	1. Power supply 2. Charge rechargeable batteries
2	OLS optical connector	Built-in universal 2.5mm tip sleeve Option: SC, FC or LC
3	VFL optical connector	Universal 2.5mm
4	Battery	Dry batteries or rechargeable batteries (Charged by USB connection): AAA-size x 4

3.3 LED Indicator

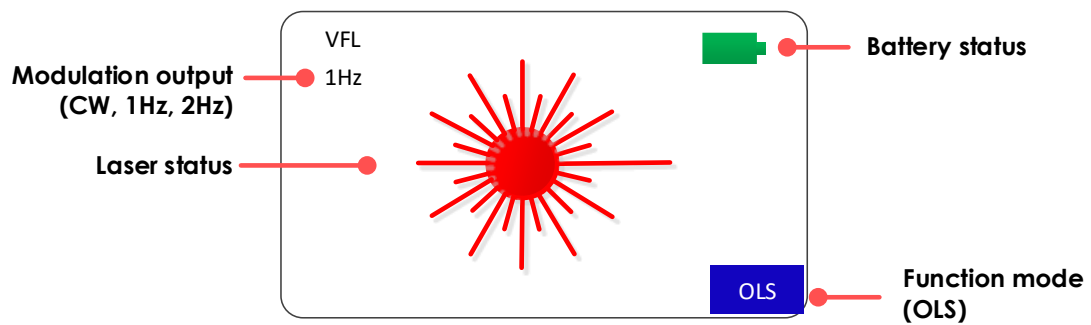
Item	LED Indicator	LED Status	Description
1	PASS/FAIL	Off	X
2	LASER	Off	No emitting light
		Red	Emitting light

4. Display

4.1 Optical Light Source (OLS)




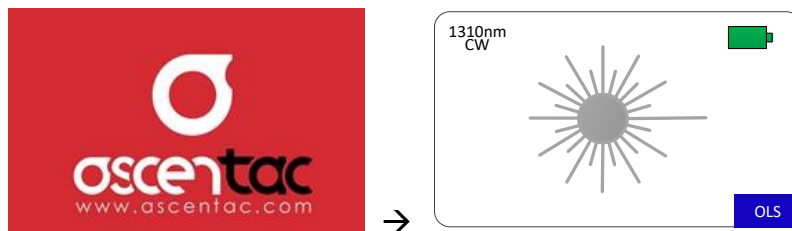
4.2 Visual Fault Locator (VFL) (Option)




5. Operation

5.1 Power-on

Press [] key for two seconds to turn on the meter.
Startup screen → Enter into optical light source interface.



Note

“  ” refers to no emitting light.


5.2 Power-off

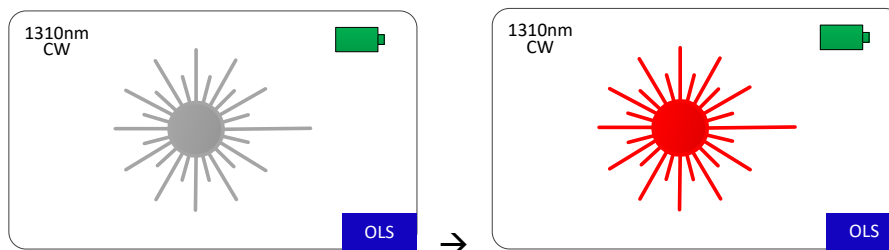
Press [] key for two seconds to turn off the meter.

Note


Please turn off laser before you turn off the meter.

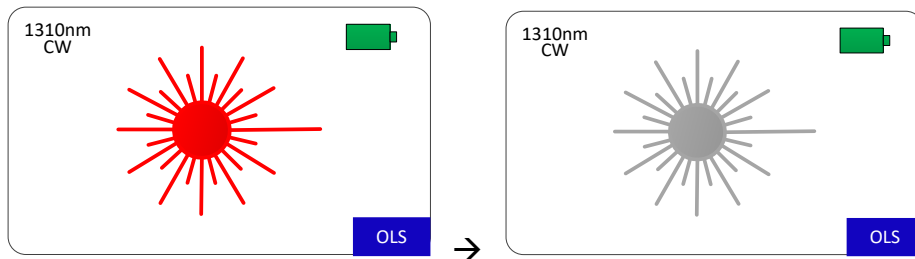
5.3 Laser-on

Long press [] key for two seconds to turn on laser.




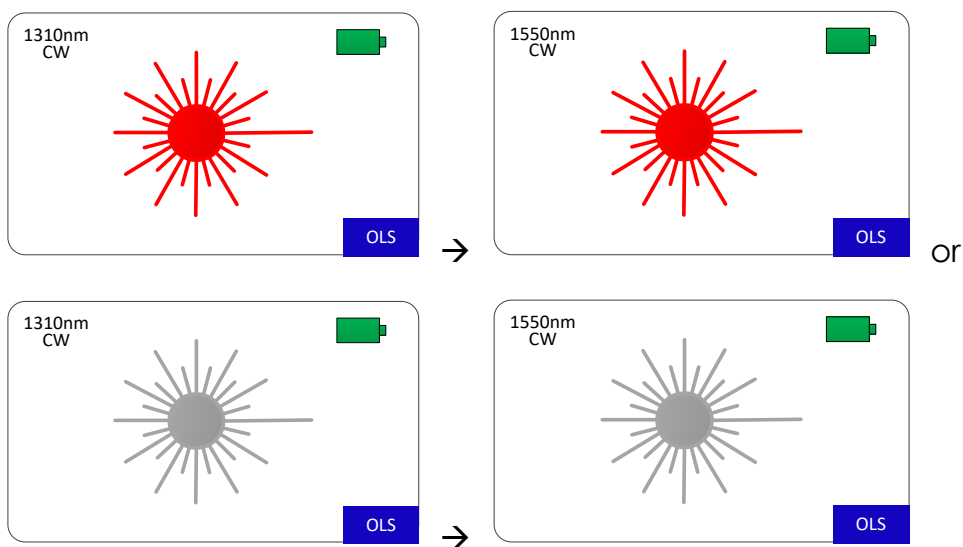
5.4 Laser-off

Long press [] key for two seconds to turn off laser.



5.5 Setting Wavelength

Short press [] key to switch wavelength.

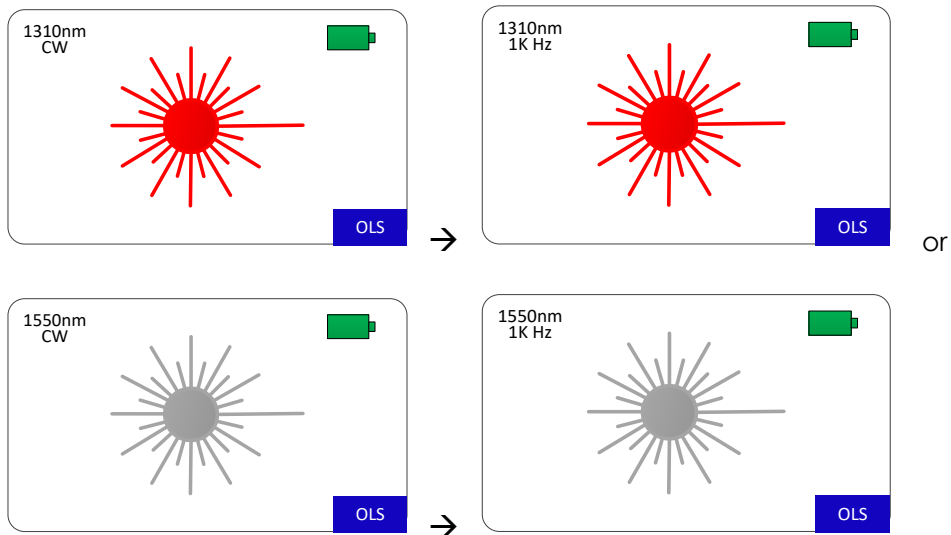


Note

Wavelength can also be switched by short pressing [] key when laser is off.

5.6 Setting Modulation Output

Short press [CW] key repeatedly until the desired modulation output is displayed.



Note

1. Modulation output can also be switched by short pressing [CW] key when laser is off.
2. Modulation output:
 - 650nm: CW → 1Hz → 2Hz → CW
 - Other wavelengths: CW → 270Hz → 1kHz → 2kHz → CW

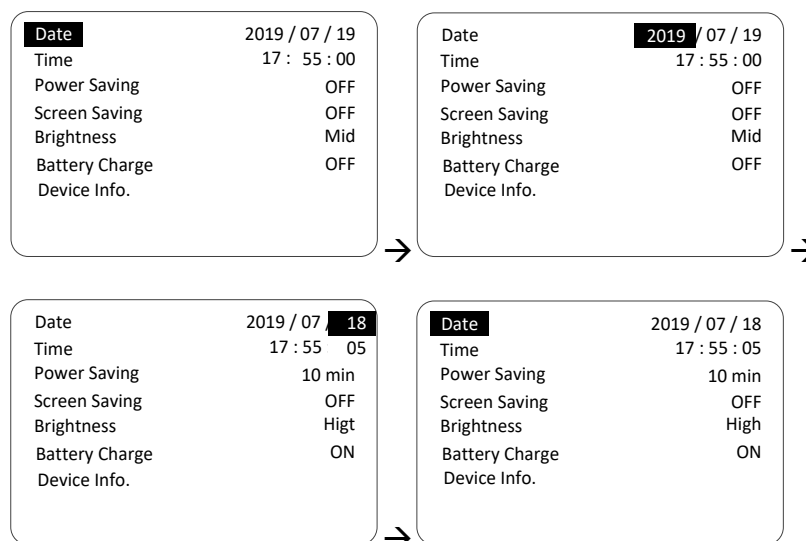
5.7 Device Setting

Short press [] key to access setting as below image.

Date	2019 / 07 / 19
Time	17 : 55 : 00
Power Saving	OFF
Screen Saving	OFF
Brightness	Mid
Battery Charge	OFF
Device Info.	

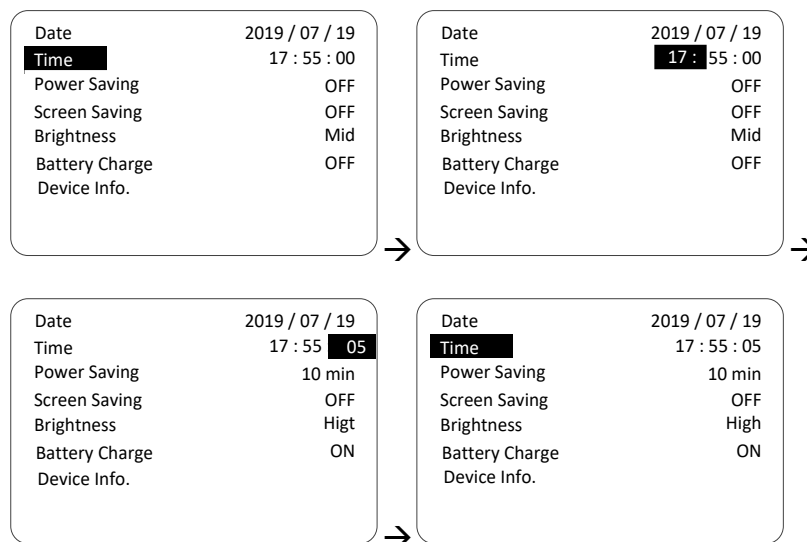
5.7.1 Date

1. Press [↑] [↓] to move to “Date” and press [↵] to access year setting.
2. Press [↑] [↓] to select year and press [↵] to access month setting; press [ESC] to discard change and return to the original display.
3. Press [↑] [↓] to select month and press [↵] to access date setting; press [ESC] to discard change and return to access year setting.
4. Press [↑] [↓] to select date and press [↵] to confirm it; press [ESC] to discard change and return to access month setting.



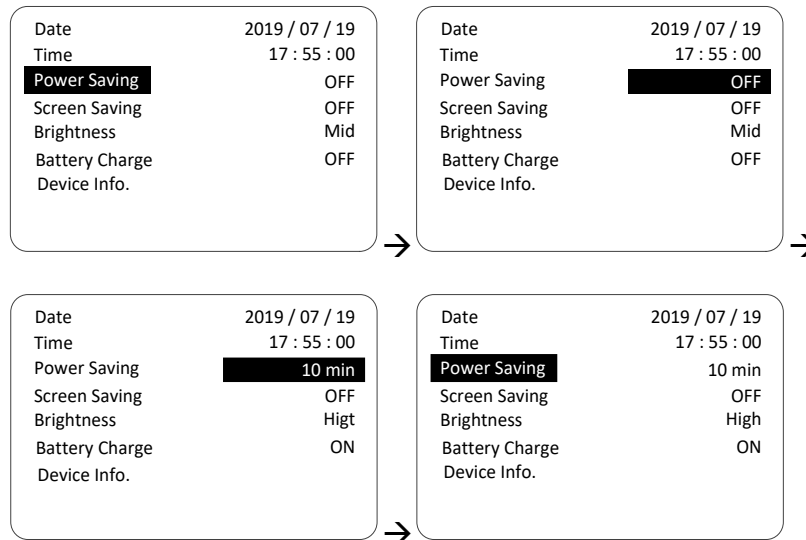
5.7.2 Time

1. Press [↑] [↓] to move to “Time” and press [↵] to access hour setting.
2. Press [↑] [↓] to select hour and press [↵] to access minute setting; press [ESC] to discard the change and return to the original display.
3. Press [↑] [↓] to select minute and press [↵] to access second setting; press [ESC] to discard the change and return to access hour setting.
4. Press [↑] [↓] to select second and press [↵] to confirm it; press [ESC] to discard change and return to access minute setting. (10 secs/unit)



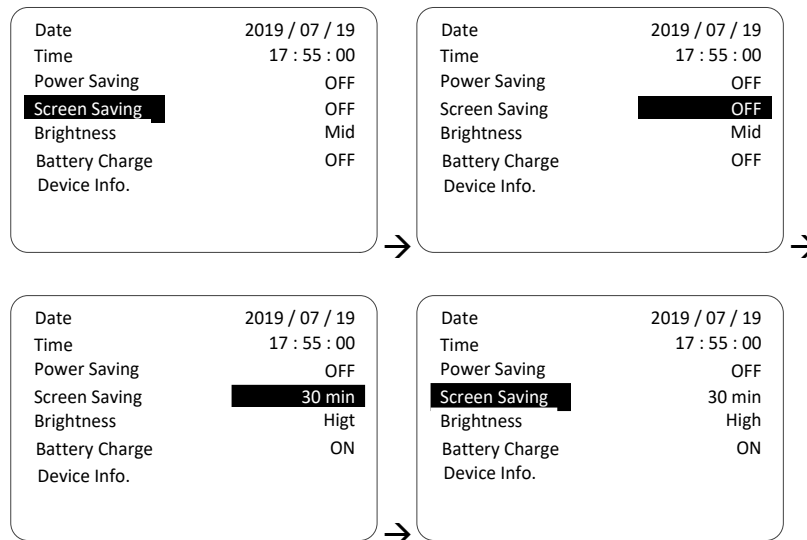
5.7.3 Power Saving (Default: 10 mins)

1. Press [↑] [↓] to move to “Power Saving” and press [↵] to set time.
2. Press [↑] [↓] to select time (OFF or 10 to 120 mins) (10 mins/interval) and press [↵] to confirm it; press [ESC] to discard the change and return to the original display.



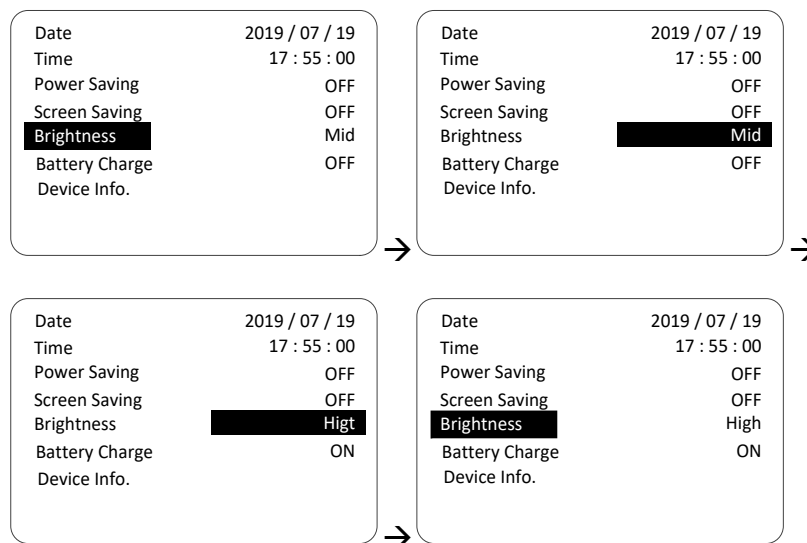
5.7.4 Screen Saving (Default: 5 mins)

1. Press [↑] [↓] to move to “Screen Saving” and press [↵] to access time interval setting.
2. Press [↑] [↓] to select time interval (OFF or 5 to 30 mins) (5 mins/interval) and press [↵] to confirm it; press [ESC] to discard change and return to the original display.



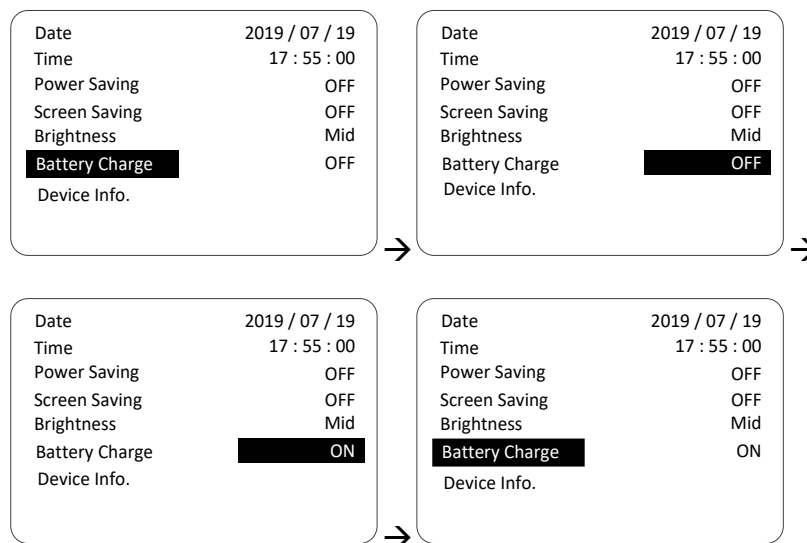
5.7.5 Brightness (Default: Mid)

1. Press [↑] [↓] to move to “Brightness” and press [↵] to access setting.
2. Press [↑] [↓] to select the brightness (High, Mid or Low) and press [↵] to confirm it; press [ESC] to discard the change and return to the original display.



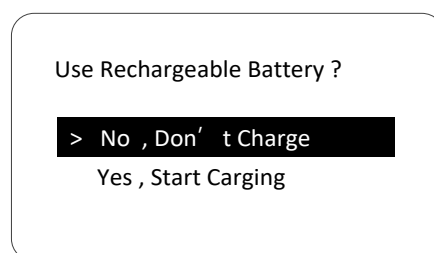
5.7.6 Battery Charge (Default: OFF)

1. Press [↑] [↓] to move to “Battery Charge” and press [↵] to access turning on/off battery charge.
2. Press [↑] [↓] to select turning on/off battery charge and press [↵] to confirm it; press [ESC] to discard the change and return to the original display.



Note

Users are required to confirm whether to turn on battery charge again after the device detects USB connection.



5.7.7 Device Info.

Press [↑] [↓] to move to "Device Info" and press [↵] to view device information.

Date	2019 / 07 / 19
Time	17 : 55 : 00
Power Saving	OFF
Screen Saving	OFF
Brightness	Mid
Battery Charge	OFF
Low Power Thr.	OFF
Loss Thr.	OFF
Device Info.	

→

>> Information <<	
Model :	OLS200
SN :	32A190000001
FW :	V1.0.2B
HW :	V1.01.000