

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [AstrHori](#) /

› [AstrHori XH-2 Camera Light Meter User Manual](#)

## AstrHori XH-2

# AstrHori XH-2 Camera Light Meter User Manual

Model: XH-2

## 1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your AstrHori XH-2 Camera Light Meter. Please read this manual thoroughly before using the device to ensure proper function and longevity.

### Package Contents

- 1x AstrHori XH-2 Light Meter
- 1x USB-C Charging Cable
- 1x User Manual



Figure 1: AstrHori XH-2 Light Meter and included accessories.

## 2. SPECIFICATIONS

Feature	Specification
Model	XH-2
Material	Metal Alloy
Mount Type	Cold Shoe
Weight	Approximately 63g (2.22 oz)
Dimensions	43 x 27 x 23 mm (1.69 x 1.06 x 0.91 inches)

Feature	Specification
Display Screen	0.66" OLED
Metering Angle	30° (Average Metering)
Metering Time	Single metering time ≤ 0.5s
ISO Range	ISO 5 - ISO 6400
Aperture Range	F1 - F32
Shutter Speed Range	1/8000s - 32s
Battery	Built-in 80 mAh Lithium-Ion
Charging Port	Type-C USB
Dormant Mode	Activates after 25 seconds of no operation.
Auto Power Off	After approximately 3 hours in dormant mode.

## Continuous Metering for about 10 hours



- ★ Automatically turn off after about **3 hours** of dormant.
- ★ No operation within **25 seconds**: Enter the low-power dormant mode, click the metering button to activate the light meter.

## 3. SETUP

### 3.1 Charging the Device

The AstrHori XH-2 Light Meter features a built-in rechargeable lithium-ion battery. Before initial use, it is recommended to fully charge the device.

1. Locate the USB Type-C port on the bottom of the light meter.
2. Connect the provided USB-C cable to the light meter and a compatible USB power source (e.g., computer USB port, USB wall adapter).
3. The device will indicate charging status on its OLED display. A full charge typically takes approximately 30 minutes.



Figure 3: USB Type-C charging port located on the bottom of the device.

### 3.2 Mounting on a Camera

The XH-2 Light Meter is designed to be mounted on a camera's cold shoe. It does not establish electrical contact with the camera.

1. Ensure the light meter is powered off.
2. Slide the cold shoe mount of the light meter into your camera's cold shoe slot until it is securely seated.
3. The light meter can also be used handheld.

## Press the Button to Select Mode

**EV/EC**

Double-click the button and press for about 3.5s the second time to EC setting

**ISO**

Double-click the button and press for about 0.5s the second time to ISO setting

**A/T**

Double-click to switch between A mode and T mode



## Spin Dial to Adjust Parameters

**ISO 6400-ISO 5**

ISO range

**F1-F32**

Aperture range

**1/8000s-32s**

Shutter speed range

Figure 4: The XH-2 Light Meter mounted on a camera's cold shoe.

## 4. OPERATING INSTRUCTIONS

### 4.1 Power On/Off and Activation

- To power on, press the side button.
- To power off, long-press the side button for 0.5 seconds.
- The device enters a low-power dormant mode after 25 seconds of inactivity. To reactivate, click the metering button.
- The device automatically powers off after approximately 3 hours in dormant mode.



Figure 5: Power button location and activation method.

## 4.2 Understanding the Display

The 0.66" OLED display shows various metering parameters. Refer to the diagram below for an overview of the display elements.



Figure 6: Overview of the XH-2 Light Meter's OLED display.

- **EV/EC:** Exposure Value / Exposure Compensation.
- **Shutter Time:** Recommended shutter speed.
- **Aperture:** Recommended aperture value.
- **ISO:** Current ISO setting.
- **Power Display:** Battery level indicator.
- **Aperture Priority/Shutter Priority (A/T):** Indicates the current metering mode.
- **Lock Icon:** Indicates if metering is locked.
- **Real-time Metering:** Indicates active metering.

### 4.3 Adjusting Parameters

The light meter features a central button and a surrounding dial for parameter adjustments.

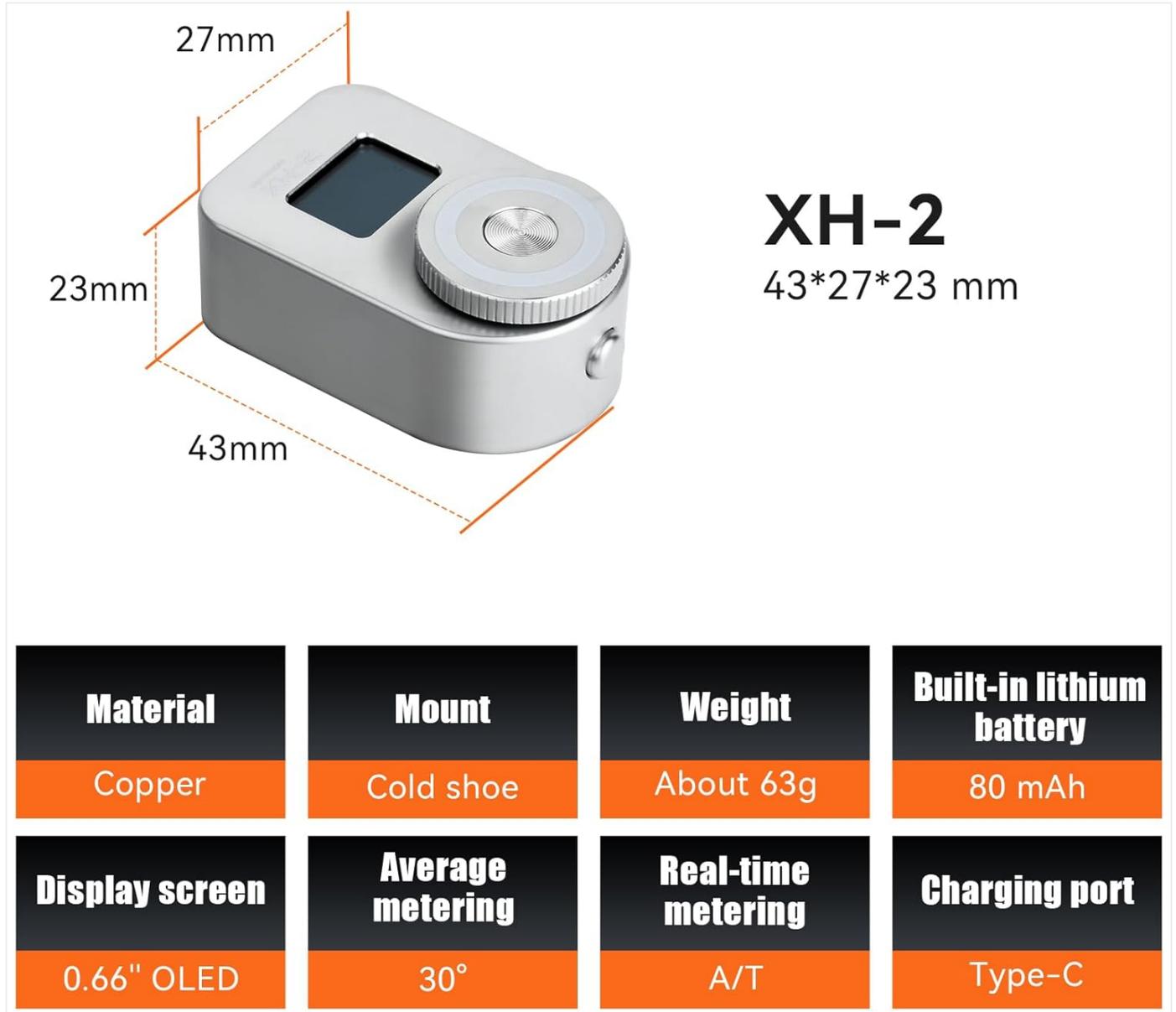


Figure 7: Button and dial functions for parameter adjustment.

- **Changing Modes (A/T):** Double-click the central button to switch between Aperture Priority (A) mode and Shutter Priority (T) mode.
- **Setting ISO:** Double-click the central button and press for approximately 0.5 seconds to enter ISO setting mode. Use the dial to adjust the ISO value.
- **Setting EV/EC:** Double-click the central button and press for approximately 3.5 seconds to enter EV/EC setting mode. Use the dial to adjust the Exposure Value or Exposure Compensation.
- **Adjusting Values:** Once a parameter (ISO, Aperture, Shutter Speed, EV/EC) is selected, rotate the outer dial to change its value.

The light meter supports a wide range of settings:

- **ISO Range:** ISO 5 to ISO 6400
- **Aperture Range:** F1 to F32
- **Shutter Speed Range:** 1/8000s to 32s

### 4.4 Metering Process

The XH-2 uses a 30° average metering system with an anti-reflective stepped design for accurate light gathering.

## 30° Average Metering

### Single metering time ≤0.5s



Figure 8: The light metering hole with its convex lens and anti-reflective design.

1. Point the light meter towards the subject or scene you wish to meter.
2. The device will perform real-time metering, displaying the recommended exposure settings (shutter speed and aperture) based on your set ISO and selected priority mode.
3. A single metering takes approximately 0.5 seconds.
4. To lock the current metering, press the central button once when real-time metering is active.

**Note:** The metering module has been upgraded for enhanced accuracy.

## 5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the light meter. Do not use liquid cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge the device regularly,

even if not in use for extended periods.

- **Protection:** Avoid dropping the device or subjecting it to strong impacts.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or depleted battery.	Charge the device using the provided USB-C cable.
Display is blank or unresponsive.	Device is in dormant mode or powered off.	Press the metering button to activate from dormant mode, or the side button to power on.
Inaccurate metering readings.	Metering sensor obstructed or dirty. Incorrect ISO setting.	Ensure the metering hole is clean and unobstructed. Verify the ISO setting matches your film or camera.
Cannot change ISO or EV/EC.	Incorrect button press sequence.	Refer to Section 4.3 for correct button press sequences to enter setting modes.

## 7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included in your product packaging or visit the official AstrHori website. Keep your purchase receipt as proof of purchase for warranty claims.

**Manufacturer:** AstrHori

**Contact:** Please refer to the contact information provided on the AstrHori official website or your regional distributor.

## 8. PRODUCT VIDEO DEMONSTRATION

Watch this official product video for a visual demonstration of the AstrHori XH-2 Camera Light Meter's features and operation.



Video 1: Official demonstration of the AstrHori XH-2 Camera Light Meter, showcasing its design, display, and key functions.

