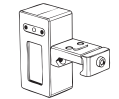


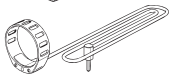
ELECTRONIC SCOPE LEVEL & TIMER

USER MANUAL

INCLUDED



① ELECTRONIC SCOPE LEVEL & TIMER



② OCULAR LED



③ CONNECTION CABLE

FEATURES

Precision Angle Detection

With 5 adjustable sensitivity levels (0.1° / 0.3° / 0.5° / 0.7° / 1.0°) for various mounting conditions.

Multi-status Notification

3-color LED indicators, screen display and buzzer notification for clear working status feedback.

Adjustable Screen Brightness

3 brightness levels available for bright and low-light environments.

Configurable Countdown Timer

Adjustable within 300 s, with selectable time increments of 5 / 10 / 15 / 30 s.

Two Working Interfaces

Vertical Mode (Electronic-Level), Horizontal Mode (Horizon-Level).

External Display Support

Compatible with external display modules for signal output expansion.

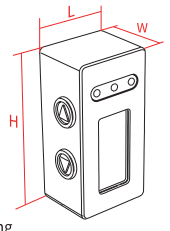
Rechargeable Power Supply

Built-in rechargeable lithium battery for convenient power supply.

Custom Development Available

Customizable firmware, UI, housing appearance, hardware, mounting fixtures and packaging branding.

SPECIFICATIONS



Dimensions

0.944"(24 mm) L
0.787" (20 mm) W
1.969"(50 mm) H
Max detectable angle＞80°
overall measuring error ⩽ 0.1°

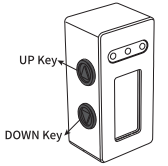
Power Source

Rechargeable Li-ion
(Recharge Type-C charging. During charging long-press DOWN key can exit charging screen.)

Mounting Option

Standard mounting rail

POWER ON/OFF



Power-on:

Long-press DOWN key

Power-off:

Long-press DOWN key ;
or press UP+DOWN key together.

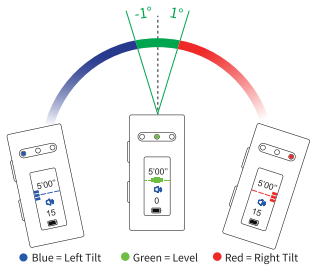
Auto Sleep & Power-off:

1.Auto sleep after 1 min static (main-unit LED off, eyepiece light unaffected). Wake-up by tilt movement.

2.Auto power-off after 10 min static.

3.Auto power-off after 60 min without any key press.

VERTICAL MODE (ELECTRONIC-LEVEL)

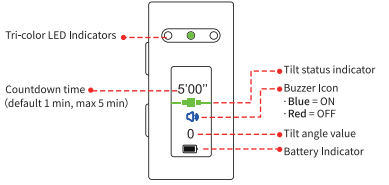


Tilt Angle & Tri-color LED

- Left/Right tilt ⩽1°: Centered, green LED ON
- Left tilt＞1°: Blue LED ON
- Right tilt＞1°: Red LED ON

(Note：Main LEDs work ONLY in Vertical Interface. LEDs off in Horizontal & Setting Interface.)

Vertical Interface Icon Description



Countdown Operation (Vertical Interface)

1.Vertical interface default countdown: 1 min. Step options: 5,10,15,30s (set in settings).

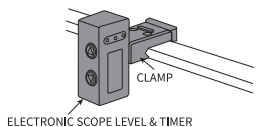
- Short-press UP key: add preset step time to countdown.
- Short-press DOWN key: Start / Pause (toggle).
- Long-press UP key for 2s: Clear countdown.
- Long-press UP for 3s: Recall last saved countdown value.
- Tilt trigger: Automatically start countdown upon tilt movement.

2. Max countdown: 5 minutes.

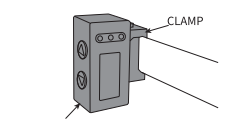
Mount Option

The integrated clamp can be flipped to provide two different mounting positions. Fasten the electronic scope level & timer onto the base rail with the clamp. After mounting the main unit, attach the ocular LED assembly for combined use.

Mount Option 1

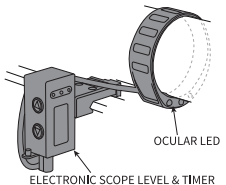


Mount Option 2



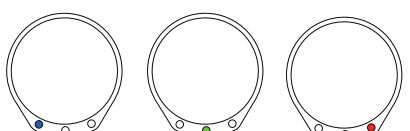
Electronic Scope Level & Timer+ Ocular LED

Prerequisite: Main unit already mounted via Mount Option 1 or 2.



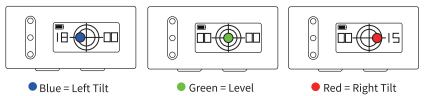
Ocular LED

- Setting-LED【ON】：Ocular LED synchronizes with main-unit LED
- Setting-LED【OFF】：Ocular LED keeps steady-ON independently



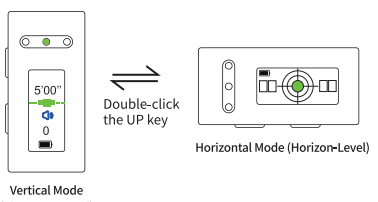
HORIZONTAL MODE (HORIZON-LEVEL)

Ball rolls with tilt. Green within ±3°, Red for left>3°, Blue for right>3°.Ball touches inner ring =30°, outer ring =45°.



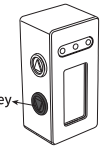
MODE SELECTION

Double-click UP key to toggle Vertical Mode ↔ Horizontal Mode .



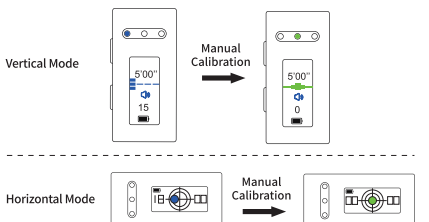
MANUAL CALIBRATION

This device is factory-calibrated and leveled. If the mounting surface is uneven, slight deviations may occur.



To Calibrate Manually:

Enter Vertical Mode or Horizontal Mode.
Double-click the DOWN Key.
(NOTE: Make sure it's perfectly stable during calibration.)



To Restore Factory Settings:

Enter the setting menu, select restore factory settings. All user-adjusted angle values will be cleared.

SETTING MENU OPERATION

1.Long-press DOWN key (~1s) to enter primary settings. Long-press DOWN key (~1s) on primary page to exit back to main interface.

2.Primary Setting Interface:

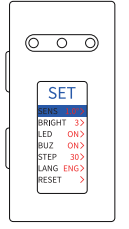
- Short-press DOWN key: Switch function items (blue rectangle = selected)
- Short-press UP key: Enter secondary settings for selected item

3.Secondary Setting Interface:

- Short-press DOWN key: Switch parameters
- Short-press UP key / Long-press DOWN key (~1s): Return to primary settings

4.All changed parameters auto-save on power loss, except Factory Reset.

SETTING MENU ITEMS



1.**Sensitivity:** Adjustable values of 0.1° / 0.3° / 0.5° / 0.7° / 1.0°, set trigger threshold of angle reminder.

2.**Brightness:** 3 screen brightness levels.

3.**LED Light:** Controls mainboard tri-color LED. Eyepiece light limited by connector & vertical interface state.

4.**Buzzer:** Turn angle beep ON/OFF.

5.Step: 5/10/15/30s. Sets countdown time added per UP key press in vertical interface.

6.**Language:** Toggle EN / CN

7. **Factory Reset:** Enter secondary menu, short-press DOWN key to select [Yes], short-press UP key to confirm reset. All parameters & angle calibration reset, auto return to vertical main screen.