

Instruction Manual

Digital RC Ride

HEIGHT
GAUGE

RT005



v. 34

SKYRC



Introduction

The Digital RC Ride Height Gauge is designed to measure the ground clearance of RC car chassis with accuracy and consistency. Supporting multiple RC scales, it provides real-time digital readouts to assist with chassis tuning, suspension setup, and pre-race adjustments.

For first use, open the battery compartment and remove the battery insulation tab.

Measuring Blade

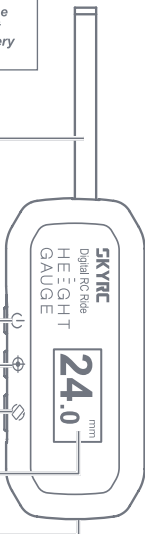
Power Button

Calibration Button

Display Flip Button

Display

Battery Compartment



Features

- Measurement accuracy:
 - ±0.3 mm for measurements from 2–20 mm;
 - ±0.5 mm for measurements above 20 mm.
- Measurement range: 2–38 mm;
- Clear digital display for easy reading;
- Supports unit switching and 180° display rotation
- Suitable for 1/24, 1/14, 1/12, 1/10, and 1/8 RC models

Accuracy & Tolerance, Explained

This instrument uses digital measurement. Displayed readings fall within the specified accuracy range and are considered normal.

- For measurements up to and including 20 mm, the accuracy is ±0.3 mm.
- For measurements above 20 mm, the accuracy is ±0.5 mm.

After calibration, test readings may display values such as 9.9 mm or 10.1 mm, or 19.9 mm or 20.1 mm. These values are within the normal accuracy range and do not affect practical setup or use.

Note: This product is designed for ride height setup and consistency adjustment. Measurement stability and repeatability are more important than achieving an exact integer value in a single reading.

Operations

Power On/Off

- Short press the Power Button to turn on.
- Press and hold the Power Button for 1 second to turn off.
- The device automatically powers off after 300 seconds of inactivity.

Screen Orientation:

Short press the Display Flip Button to rotate the screen.

Operations

Unit Switching:

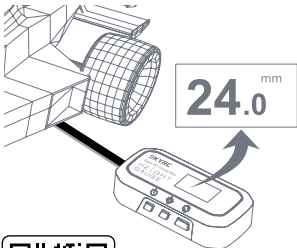
Press and hold the Display Flip Button and Calibration Button simultaneously to switch the display unit.

View Version Information:

Press and hold the Display Flip Button for 3 seconds to view the version information; short press to exit.

Measurement

1. Place the car on a flat surface to stabilize the suspension.
2. Position the Measuring Blade at the measuring point and record the reading.
3. Adjust the shock stroke or spring preload until the front/rear and left/right chassis heights match your setup.



Scan to Watch

Calibration

1. Power on the device with a short press of the Power Button.

Place the device on a flat surface (such as a table or glass plate).

Then press and hold the Calibration Button for 3 seconds to enter calibration mode.

2. 2 mm Calibration:

Fully lower the Measuring Blade, then short press the Calibration Button.

After approximately 1 second, the next calibration point is displayed.



3. 10 mm Calibration:

Raise the measuring blade and place it on the 10 mm step of the calibration block.

Short press the Calibration Button.

After approximately 1 second, the next calibration point is displayed.



4. 20 mm Calibration:

Raise the measuring blade and place it on the 20 mm step of the calibration block.

Short press the Calibration Button.

After approximately 1 second, "Done" appears on the display, indicating that calibration is complete.



Calibration

When to Calibrate

Recalibration is recommended in the following situations:

- After initial use or a change in operating location
- When readings differ noticeably from known reference values
- After movement, strong vibration, or significant temperature changes
- After long-term storage or battery replacement

Notes:

- *During calibration, you can short press the Power Button at any time to exit.*
- *During calibration, do not move the device, as this may affect accuracy.*
- *After calibration is complete, the device automatically exits the calibration screen after approximately 1 second.*



Scan to Watch

Storage and Protection

A dedicated storage case is included to protect the measuring blade and keep calibration accessories organized.

Store the gauge and calibration block in their designated slots to prevent damage or loss when not in use.

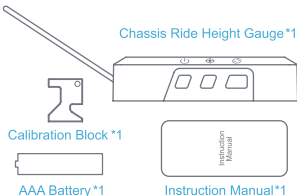
Note:

When not in use, always store the ride height gauge and calibration block in the storage case for proper protection.

Specification

- Power input: 1 x AAA battery
- Range: 2.0 mm - 38.0 mm
- Display Units: mm / in
- Auto Power-Off Time: 300 seconds
- Size: 127.3x33x18mm
- Dimensions: 40g

In The Box



Liability Exclusion

The device is designed and approved exclusively for the scenarios stated in this Instruction Manual. SkyRC accepts no liability of any kind if the device is used for any purpose other than that stated. We are unable to ensure that you follow the instructions supplied with the power supply, and we have no control over the methods you employ for using, operating, and maintaining the device. For this reason, we are obliged to deny all liability for loss, damage, or costs that are incurred due to the incompetent or incorrect use and operation of our products, or which are connected with such operation in any way. Unless otherwise prescribed by law, our obligation to pay compensation, regardless of the legal argument employed, is limited to the invoice value of those SkyRC products which were immediately and directly involved in the event in which the damage occurred.

Warranty and Service

We guarantee this product to be free of manufacturing and assembly defects for a period of one year from the time of purchase. The warranty only applies to material or operational defects, which are present at the time of purchase. During that period, we will repair or replace free of service charge for products deemed defective due to those causes.

This warranty is not valid for any damage or subsequent damage arising as a result of misuse, modification, or as a result of failure to observe the procedures outlined in this manual.

Note:

1. The warranty service is valid in China only.
2. If you need warranty service overseas, please contact your dealer in the first instance, who is responsible for processing guarantee claims overseas. Due to high shipping costs, and complicated custom clearance procedures to send back to China, please understand that SkyRC can't provide warranty service to overseas end users directly.
3. If you have any questions which are not mentioned in the manual, please feel free to send an email to support@skyrc.com.

The manual is subject to change without notice; please refer to our website for the latest version!

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