

## PRGR HS-120

# PRGR RED EYES POCKET HS-120 Speed Radar Instruction Manual

Model: HS-120 (GM042)

## 1. INTRODUCTION

Thank you for purchasing the PRGR RED EYES POCKET HS-120 Speed Radar. This compact and portable device is designed to accurately measure various speeds, including golf club head speed, ball speed, and estimated carry distance. It is an invaluable tool for golfers and athletes looking to analyze and improve their performance during practice sessions. This manual provides detailed instructions on how to set up, operate, and maintain your device to ensure optimal performance and longevity.

## 2. SAFETY INFORMATION

Please read and understand the following safety precautions before using the device:

- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Avoid dropping the device or subjecting it to strong impacts.
- Keep the device away from water and other liquids. If it gets wet, power it off immediately and allow it to dry completely before attempting to use it again.
- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.
- Use only the specified battery type (AAA batteries). Ensure correct polarity when inserting batteries.
- Remove batteries if the device will not be used for an extended period to prevent leakage.
- Keep out of reach of children.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- PRGR RED EYES POCKET HS-120 Speed Radar Unit
- Carrying Pouch
- AAA Batteries (4 pcs)
- Instruction Manual (this document)



Figure 3.1: PRGR Red Eyes Pocket HS-120 with carrying pouch and batteries.

## 4. PRODUCT OVERVIEW

Familiarize yourself with the components of your PRGR RED EYES POCKET HS-120:



Figure 4.1: Front View (Display, Control Buttons)



Figure 4.2: Back View (Battery Compartment, Tripod Mount)



Figure 4.3: Side View



Figure 4.4: Control Buttons (ENTER/ON/OFF, Up/Down, MODE)

### Key Components:

- **Display Screen:** Shows measurement readings, mode, and settings.
- **ENTER/ON/OFF Button:** Powers the device on/off and confirms selections.
- **Up/Down Buttons:** Navigate menus and adjust settings.
- **MODE Button:** Switches between different measurement modes (e.g., Golf, Baseball) and settings.
- **Sensor Window:** The area where the radar detects speed. Keep clear of obstructions.
- **Battery Compartment:** Located on the back, holds 4 AAA batteries.
- **Tripod Mount:** Allows for stable positioning on a tripod (tripod not included).

## 5. SETUP

### 5.1. Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover open.
3. Insert 4 AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

### 5.2. Powering On/Off

- To power on: Press and hold the **ENTER/ON/OFF** button for approximately 1 second.
- To power off: Press and hold the **ENTER/ON/OFF** button for approximately 2 seconds until the display turns off. The device will also automatically power off after a period of inactivity to conserve battery life.

### 5.3. Initial Settings

Upon first power-on or after battery replacement, you may need to set the date, time, and preferred measurement units. Use the Up/Down buttons to adjust values and the ENTER button to confirm and move to the next setting.

## 6. OPERATING INSTRUCTIONS

### 6.1. Selecting Measurement Mode

Press the **MODE** button to cycle through available measurement modes. The PRGR RED EYES POCKET HS-120 supports various modes, including:

- **Golf Mode:** Measures club head speed, ball speed, and estimated carry distance.
- **Baseball Mode:** Measures bat swing speed and ball speed.
- **Other Modes:** May include general speed measurement or calorie consumption tracking.



Figure 6.1: Retail packaging indicating multi-speed testing and calorie consumption features.

## 6.2. Taking a Measurement (Golf Mode Example)

1. Place the device on a flat, stable surface approximately 1 meter (3 feet) behind the ball, aligned with your swing path. Ensure there are no obstructions between the device and the ball/club.
2. Select 'Golf Mode' using the **MODE** button.
3. Prepare for your swing.
4. Execute your swing. The device will automatically detect the club head speed and ball speed.
5. The measured values (Head Speed, Ball Speed, Estimated Carry Distance) will be displayed on the screen.
6. The device can also track calorie consumption, which may be displayed or accessible via a dedicated 'Diet' button as seen on the device.

## 6.3. Understanding Display Readings

The display typically shows:

- **HS (Head Speed):** Your club head speed in meters per second (m/s) or miles per hour (mph).
- **BS (Ball Speed):** The speed of the ball immediately after impact.
- **Carry:** Estimated carry distance based on your swing and ball speed.
- **Calorie Consumption:** An estimate of calories burned during your session (if applicable to the selected mode).
- **Count/Avg:** Number of swings taken and average speed.

## 6.4. Reviewing Past Data

The device stores a certain number of past measurements. Use the Up/Down buttons to scroll through previous readings. Consult the on-screen prompts or the device's quick guide for specific instructions on data review.

## 7. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the sensor window is clean and free of dust or smudges for accurate readings.
- **Storage:** Store the device in its carrying pouch in a cool, dry place when not in use. Avoid storing in areas with extreme temperatures or high humidity.
- **Battery Care:** Replace batteries when the low battery indicator appears. If the device will not be used for an extended period, remove the batteries to prevent potential leakage and damage.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly inserted batteries.	Check battery polarity. Replace with new AAA batteries.
No reading or inaccurate reading.	Incorrect device placement; sensor obstructed; environmental interference.	Ensure device is 1 meter behind the ball and aligned. Clean sensor window. Avoid using near strong electromagnetic fields. Ensure sufficient distance from other objects.
Display is dim or flickering.	Low battery.	Replace batteries.
Buttons are unresponsive.	Temporary software glitch; low battery.	Remove and reinsert batteries. Replace batteries if low.

If the problem persists after trying these solutions, please contact customer support.

## 9. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	HS-120 (GM042)
Color	Gray, Red
Size	Free Size
Handedness	Ambidextrous
Material	Plastic
Batteries	4 x AAA (Included)
Series Name	RED EYES
Package Dimensions	14.6 x 8 x 4.6 cm
Weight	162 g
First Available on Amazon.co.jp	June 18, 2019


## 10. WARRANTY AND SUPPORT



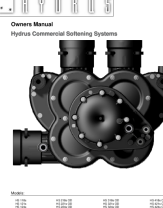

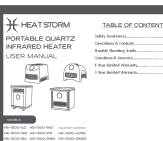
This product comes with a manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact PRGR customer service through their official website or the retailer where you purchased the product. Keep your purchase receipt as proof of purchase.

For more information, visit the official PRGR website or contact your local distributor.

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### Related Documents - HS-120

	<p><a href="#">PRGR Red Eyes Pocket HS 130A Portable Launch Monitor User Manual</a></p> <p>User manual for the PRGR Red Eyes Pocket HS 130A portable launch monitor, detailing its operation, features, and troubleshooting.</p>
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	<p><a href="#">PRGR HS-130A Portable Launch Monitor User Manual</a></p> <p>Comprehensive user manual for the PRGR HS-130A Portable Launch Monitor, detailing features, setup, operation modes (Golf, Pitching, Batting, Multi), troubleshooting, specifications, and warranty information.</p>
	<p><a href="#">PRGR Red Eyes Pocket HS 130A Portable Launch Monitor User Manual</a></p> <p>User manual for the PRGR Red Eyes Pocket HS 130A portable launch monitor, detailing its operation, features, and troubleshooting.</p>
	<p><a href="#">Kinetico Hydrus Commercial Softening Systems Owners Manual</a></p> <p>Comprehensive owners manual for Kinetico Hydrus Commercial Softening Systems, detailing operation, system configuration, maintenance, troubleshooting, and design features. Covers models HS 118s through HS 442s OD.</p>
	<p><a href="#">Humboldt Testing Equipment for Construction Materials - Catalog</a></p> <p>Humboldt Mfg. Co.'s 8th edition catalog features a wide range of testing equipment for construction materials, focusing on soil analysis, density, moisture, and compaction. Discover advanced gauges, meters, and apparatus for quality control and project compliance.</p>
	<p><a href="#">Heat Storm Portable Quartz Infrared Heater User Manual &amp; Safety Guide</a></p> <p>Comprehensive user manual for Heat Storm portable quartz infrared heaters (HS-1500 series). Includes safety instructions, operation guide, troubleshooting, and warranty information for models like HS-1500-ILO, HS-1500-IMO, HS-1500-ISM, HS-1500-IPR, HS-1500-ILODS, HS-1500-ISA, HS-1500-SISM, and HS-1500-ISMDS.</p>