

RCBS®

DIGITAL MINI-SCALE



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WARNING!

Before using this product, read and follow these instructions carefully. Failure to do so could result in serious injury or death, or property damage.

**If you have any questions while assembling
or operating this product,
call us at 1-800-379-1732 (U.S. or Canada)
Monday – Friday 5:00 a.m. – 5:00 p.m. Pacific Time
Or email us at rcbs.tech@vistaoutdoor.com**

This manual contains important safety and operating information. Keep this as a permanent part of your reloading equipment. If lost, contact us for a replacement.

IMPORTANT SAFETY INFORMATION

IMPORTANT: PLEASE READ ALL INFORMATION FIRST

Like any scale, you control the accuracy of your RCBS® Digital Mini-Scale. Before using the scale, read this instruction manual carefully to fully learn how to safely operate the scale. **Failure to properly operate the scale can result in severe personal injury and/or equipment damage.** If you have read these instructions and still do not understand some operation, call us at 1-800-379-1732 and a technician will assist you. This instruction manual contains specific safety and operating information. It should be considered a permanent part of your reloading equipment and remain with the equipment at all times for easy reference.

RELOADING SAFETY

Reloading is an enjoyable and rewarding hobby that can be conducted safely. However, as with any hobby, carelessness or negligence can make reloading hazardous. This product has been designed from the beginning with the user's safety in mind. When reloading, safety rules must be followed. By observing these rules, the chance of a hazardous occurrence causing personal injury or property damage is minimized.

GENERAL

- Always wear safety glasses.
- Understand what you are doing and why. Read handbooks and manuals on reloading. Talk to experienced reloaders. Write or call suppliers of equipment or components if you have questions or are in doubt.

- Read and understand all warnings and instructions accompanying your equipment and components. If you do not have written instructions, request a copy from the manufacturer. Keep instructions for future reference.
- Do not rush or take short cuts. Establish a routine and follow it at a leisurely pace.
- Do not smoke while reloading, or reload near sources of heat, sparks or flame.
- Observe good housekeeping in the reloading area. Keep tools and components neat, clean and orderly. Promptly and completely clean up any spills.
- Keep your hands and fingers away from “danger” spots and pinch-points where they might be injured.
- Keep all reloading equipment and components out of reach of children.
- Keep all packing material out of reach of children.
- This device is not intended for use by individuals with restricted physical, sensory or mental capacities or those with a lack of experience and/or knowledge, including children, unless they are supervised by an individual who is responsible for their safety or have received training in operating the device.
- Stay alert. Reload only when you can give your undivided attention. Do not reload when tired, ill, rushed or under the influence of drugs or alcohol.

Because RCBS® has no control over the choice, assembly or use of components or other reloading equipment, RCBS assumes no liability, expressed or implied, for the use of ammunition reloaded with this product.

POWDER

- Store powder beyond the reach of children and away from heat, dampness, open flames and electrical equipment. Avoid areas where static electricity is evident.
- DO NOT have more than one can of powder on the bench at one time. Powder cans should be stored away from the bench to avoid picking up the wrong one.
- DO NOT use any powder unless its identity is positively known. The only positive identification is the manufacturer’s label on the original canister. Discard all mixed powders and those of uncertain identity.

LOADING DATA

 **WARNING! DO NOT SMOKE WHILE RELOADING.**

- **OBSERVE ALL WARNINGS ABOUT THE USE OF MAXIMUM LISTED LOADS.**
- Use only laboratory tested reloading data. We recommend the SPEER Reloading Manual.

WARNING!

This digital scale is for use with smokeless powders only. **DO NOT USE WITH BLACK POWDER** (used in muzzle loading firearms). If black powder should come in contact with an electrical spark, an explosion may occur, resulting in serious injury or death.

CALIBRATION

Calibration should be performed before every use. To calibrate correctly, follow the CALIBRATION section of this instruction manual. A scale with improper calibration will cause an incorrect charge weight which may exceed the maximum recommended load.

Re-check frequently during use with the calibration weight provided. If accuracy is found to be out of tolerance, the scale must be recalibrated.

PRECAUTIONS

Digital scales are very reliable devices. However, there are some events which may result in an inaccurate reading:

- Change in temperature. If the temperature changes more than a few degrees, you must re-calibrate the scale. Allow scale to stabilize for 20-30 minutes prior to use.
- Changes in scale location or a non-level working surface.
- Off center placement of weights on the platen.
- Jarring of the scale during operation.
- Use only the calibration weight supplied for accuracy.
- Weight accuracy is crucial. Keep weights clean and carefully stored. If dropped or damaged, have weights inspected against known standards. Contact RCBS Customer Service.
- Static electricity can cause the scale to "jump around". If static build-up is evident, wipe scale with an anti-static sheet, or use anti-static spray. Spray on clean soft cloth first. Do not allow spray to get into mechanism.
- If powder should get inside the unit, stop operation immediately and do not use scale until it has been serviced. Contact RCBS Customer Service.
- Do not press on the platform with your hand. You can damage the scale.

RECORD KEEPING

- Keep complete records of reloads. Apply a descriptive label to each box showing the date produced, and the primer, powder and bullet used. Labels for this purpose are packed with SPEER® bullets. Never attempt to guess at the identity of your ammunition.

NOTE: This instrument may only be serviced by a certified technician. See back cover for address and Toll-free Customer Service phone number.

Thank you for purchasing the **RCBS Digital Mini-Scale**.

With normal care and proper treatment, this scale will provide years of reliable service.

General Maintenance and Care

1. Avoid exposure to extreme heat or cold. Also avoid any kind of moisture. Always allow your scale to acclimate to normal room temperature before use.
2. Keep your scale in a clean and dry environment. Dust, dirt, moisture, vibration, air currents, and proximity to other electronic equipment may have an adverse effect on the accuracy and reliability of the scale.
3. This scale is a precision instrument and should be handled with extreme care. Gently apply all items to be weighed on the tray top. Although this scale is designed to be quite durable, avoid rough treatment as this may permanently damage the internal parts. Always avoid shaking and dropping.
4. Clean Powder Pan with soap and water to remove any oils or residue. Dry thoroughly before use.

Specification and Function

1. Capacity: 1500 grains (100.0 grams), Accuracy: 0.1 grain (0.01 grams)
2. Units: gn (grain), g (gram)
3. Key Functions:
 - TARE** – offsets the 'zero' value of the scale to account for the weight of the Powder Pan or other item. Displays only the additional weight of its contents.
 - MODE** – changes measurement units of the scale's display. Press and hold to enter calibration mode.
 - ON/OFF** – turns scale on or off.
4. Display: LCD display with blue backlight
5. Auto Off: 5 minutes of inactivity
6. Power: 2 AAA batteries (*not included*)
7. Operational Temperature Range: 10-30°C (50-86°F)
8. Includes Powder Scale Pan and Check Weight

Calibration

1. Place the scale on a leveled surface and press the "ON/OFF" key to turn on the scale.
2. Press and hold the "MODE" key. Display will flash "CAL" then "50.00".
3. Place the 50 gram calibration weight (*supplied with your scale*) onto the center of the platform.
4. The LCD display will read "PASS" and then return to normal weighing mode. Remove the calibration weight and begin normal operation.

Tare Function

1. Place the "tare item", like the Powder Pan, on the platform. Press "TARE" key and wait until the LCD displays zero.
2. Scale's 'zero' value is now offset by the "tare item's" weight and can now be used for normal weighing operation. The scale will only display weight of additional items added on the platform.

Operation

1. Wait until the LCD display shows zero, then press "MODE" key to choose desired weighing unit: **gn** (grains) or **g** (grams).
2. Place the item to be weighed on the surface and wait until the reading is stable.

Warnings

1. "**Lo**": Low voltage. Please replace the batteries.
2. "**O-Ld**": Over load. Please remove item quickly to protect the scale.

RCBS LIMITED WARRANTY

Your RCBS Digital Mini-Scale is warranted to be free from defects in material or workmanship for one (1) year from the date of purchase. This warranty is extended only to the original consumer purchaser. All RCBS products are intended for non-commercial use by hobbyists. Any other use of these products will void the warranty. If you believe that your product is covered by this warranty, you must return the product to RCBS at the address below, postage paid, with proof of purchase for evaluation. If covered, we will (at our sole option) repair, replace, or refund the purchase price of any part or product found to be defective. This remedy will be without charge except for reasonable shipping, handling and insurance charges.

TO ENSURE ACCURACY OF YOUR WARRANTY INFORMATION, SEND YOUR DATED PROOF OF PURCHASE TO THE ADDRESS BELOW. This limited warranty does not cover defects or damage resulting from carelessness, misuse, commercial use, abuse, neglect, improper installation or assembly, water submersion, unauthorized or improper repair, failure to follow operation instructions, modification or normal wear and tear.

ANY WARRANTIES IMPLIED BY LAW SHALL IN NO EVENT EXTEND BEYOND DURATION OF THIS EXPRESS WARRANTY. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

REPAIR OR REPLACEMENT AS PROVIDED HEREIN IS YOUR EXCLUSIVE REMEDY FOR ANY DEFECTIVE PRODUCT. IN NO EVENT SHALL WE BE LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND ARISING OUT OF THE PURCHASE OR USE OF THIS PRODUCT, WHETHER BASED UPON CONTRACT, TORT, STATUTE OR OTHERWISE. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

CONTACT US

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**PRECISIONEERED
RELOADING
EQUIPMENT**

We think we make the world's best reloading equipment.
If you agree, please tell your friends. If you disagree,
tell us—we want to do something about it!

Customer Service
1-800-379-1732 (U.S. or Canada)
Hours: Monday - Friday, 5:00 a.m. – 5:00 p.m. Pacific Time
(hours may vary)
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