



TRICKLER POWDER ELECTRONIC



We think that we make the very best reloading equipment in the world. If you agree, please tell your friends. If you disagree, tell us - we want to do something about it!

Customer Service

1-800-533-5000 (US or Canada)
530-533-5191 (elsewhere)

Hours: Monday - Friday, 6:30am - 4pm Pacific Time

BLOUNT, INC.

SPORTING EQUIPMENT DIVISION

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BLOUNT

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RAMLINE • SIMMONS • ORBEX • REDFIELD

TIPS, TRICKS, AND THINGS TO REMEMBER

• Always calibrate the trickler when you change powders.

There is powder in the tube so you can avoid spilling any by holding your fingers over the end of the tube when you empty the hopper back into the powder container.

If the trickler should dispense a charge that is slightly over the target weight, it will be faster to empty the scale pan back into the hopper and dispense another charge rather than removing a small amount of powder from the pan. Pressing the MEMORIZE button will cause the trickler to memorize whatever weight is displayed on the scale. If you're working up loads and going to a higher weight, press the DISPENSE button to bump the last charge up to the new weight, then press MEMORIZE.

As you become familiar with the operation of your new Electronic Trickler, you may wish to use the dispensing time constructively by seating the bullet in the case you have just charged with powder. Be aware of vibrations that may effect scale readings to the trickler. Ideally, use the scale and trickler on a surface not connected to your work bench.

The Electronic Trickler can dispense up to 5 grains to finish a charge. Ideally, setting your Uniflow 1-2 grains under the target weight will optimize performance.

Your trickler can run at high or low speed. For high speed operation press and release the DISP button, then press it a second time and hold it down. Low speed trickling will occur when the DISP button is pressed and held down. Your trickler runs automatically at low speed only.

While setting up your Electronic Trickler and Powder Pro Scale, check to ensure the scale cord is not blocking the infrared data port.

IMPORTANT: READ THIS SECTION FIRST

Before using the RCBS Electronic Trickler, read the instruction manual carefully to fully learn how to safely operate the reloading equipment. Failure to properly operate certain reloading equipment 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 1-800-533-5000 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.

SAFETY

Reloading is an enjoyable and rewarding hobby that can be conducted safely. But, 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

- Use all equipment as the manufacturer recommends. Study the instructions carefully and become thoroughly familiar with the operation of the product. If you do not have written instructions, request a copy from the equipment manufacturer.
- Don't take short cuts. Attempting to bypass established procedures is an invitation to an accident.
- Observe 'good housekeeping' in the reloading area. Keep tools and components neat, clean and orderly. Promptly and completely clean up primer and powder spills.
- Reload only when you can give your undivided attention. Do not reload when fatigued or ill, or under the influence of medications or alcohol. Develop a reloading routine to avoid mistakes which may prove hazardous. Don't rush - load at a leisurely pace.
- Always wear adequate eye protection to protect your eyes from flying particles. You assume unnecessary risk when reloading without wearing safety glasses.

LOADING DATA

- Use only laboratory tested reloading data. We highly recommend the current SPEER Reloading Manual.
- **OBSERVE ALL WARNINGS ABOUT THE USE OF MAXIMUM LISTED LOADS.**
- **DO NOT SMOKE WHILE RELOADING**

PRIMERS AND POWDER

- Store primers and 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 use primers of unknown identity. Scrap unknown primers in accordance with applicable regulations.
- Keep primers in the original factory container until ready to use. Return unused primers to the same factory packaging for safety and to preserve their identity. Primer packaging is designed to provide safe storage.
- **DO NOT** store primers in bulk. The blast of just a few hundred primers is sufficient to cause serious injury to anyone nearby.
- **DO NOT** force primers. Use care in handling primers.
- **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.
- If you use a powder hopper, replace the lids on both the powder hopper and powder can after the powder hopper has been filled.
- When using a powder measure, settle the powder in the powder hopper before charging any cases. Throw and check the weight of at least ten charges. This will assure you that the correct powder charge is being thrown.
- When you finish a reloading session, pour any remaining powder back into its original factory container. This will preserve the identity and shelf life of the powder.
- **DO NOT** smoke while reloading.

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.

PRECAUTIONS

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

- Changes 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 level working surface.
- Uncentered weights on the platen.
- Jarring of the scale during operation.
- Use only the two calibration weights 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.
- 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.

NOTE: The RCBS Electronic Trickler was shipped in protective packaging. Save and use for transporting or long-term storage of the unit. This instrument may only be serviced by a certified technician. See back cover for address or call:

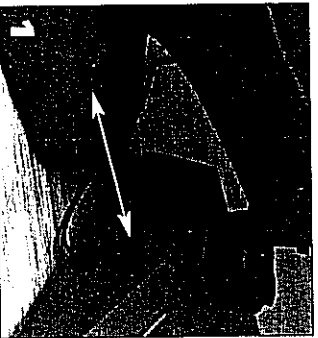
**RCBS
CUSTOMER SERVICE**

1-800-533-5000

Because RCBS has no control over the choice of components, the way in which they are assembled, the use of this product, or the guns in which the resulting ammunition may be used, no responsibility, either expressed or implied, is assumed for the use of ammunition reloaded with this product.

INTRODUCTION

Your new RCBS Electronic Powder Trickler is a major advancement in reloading technology. It is not only fast and convenient, but also will dispense powder charges that are consistently accurate time after time. To obtain accurate and repeatable performance from your Electronic Powder Trickler, it is important that you understand and follow the instructions for both the Electronic Powder Trickler and the Powder Pro Digital Scale. They must work correctly together.



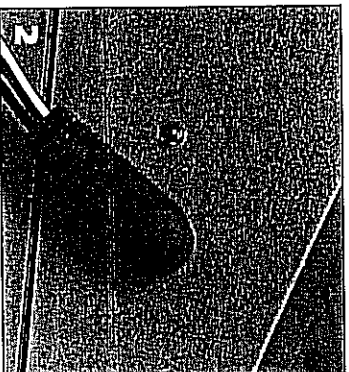
The Powder Pro Digital Scale weighs the powder as it is dispensed by the Electronic Powder Trickler and reports the weight in the pan to the Electronic Powder Trickler via infrared data transmission. The infrared data port in the left side of the Powder Pro must be directed at the receiving port on the right side of the Electronic Powder Trickler. See photo 1.

The Electronic Powder Trickler uses the weight data it receives from the Powder Pro to dispense powder and shut off when it reaches the programmed charge. Communication between your Powder Pro Scale and Electronic Powder Trickler is always one way:

The Powder Pro sends information and the Electronic Powder Trickler receives information.

GETTING STARTED

If you have owned and used your Powder Pro Digital Scale for a while, you are already familiar with its operation. The first thing to do is check to confirm your scale has the necessary infrared data port. It is a small bulb located on the left side of the scale near where the power transformer plugs into the scale. See photo 2.

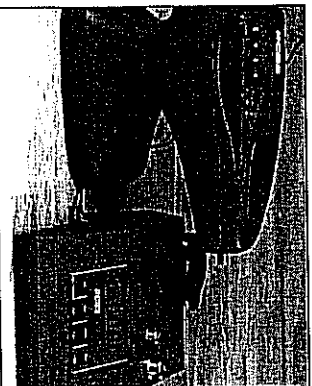


NOTE: The earliest models of the Powder Pro were manufactured without a data port. If your scale does not have an infrared data port, one can be installed. Call or write RCBS Customer Service for information and cost.

long enough to become comfortable with the time required for your scale to respond to trickled charges.

Once familiar with your Powder Pro, the first step in using your new trickler is to turn on your Powder Pro Scale. We suggest calibrating it at the start of each reloading session. Position your Electronic Powder Trickler to the left of your scale. See photo 3.

When you plug the transformer into the trickler, the three lights (C,D,M) on the right side of the keyboard should blink on and off.



If you have just purchased your Powder Pro Scale, it is best to set it up and become familiar with its operation and calibration before using it for the first time with the Electronic Powder Trickler. If you have a manual powder trickler, we suggest you use it

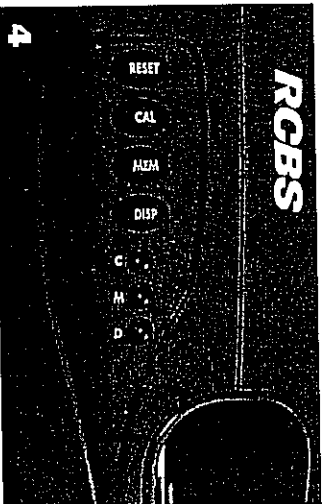
PROGRAMMING YOUR POWDER PRO SCALE
Press the CAL/MENU button. The display will flash "CAL Y—N". Press the ZERO/NO button. The display will flash "TRIC Y—N". Press the ZERO/NO button. The display reads "TRIC Y—N". Press the GRAMS/YES button.

PROGRAMMING YOUR ELECTRONIC POWDER TRICKLER

The "D" light on the right side of the trickler keyboard should now stay consistently lit. If the light is still blinking, the TRICKLER is not receiving data from the scale. See photo 4.

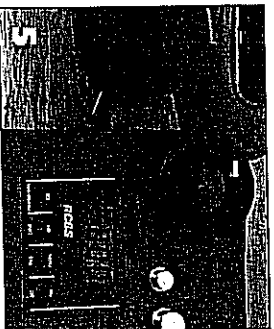
Check to verify that YES was entered when "TRIC" appeared on the display, and that the trickler and scale are correctly positioned next to each other (The trickler tube should be directly over the scale pan). If the "D" light is blinking, the TRICKLER will not work.

With the "D" light on, double check to assure the scale pan is in place on the scale platen, then press the ZERO button on the scale. The scale should be in the GRAINS mode and the display should read "00.0". You are now ready to calibrate the Electronic Powder Trickler. See Photo 5.



CALIBRATION

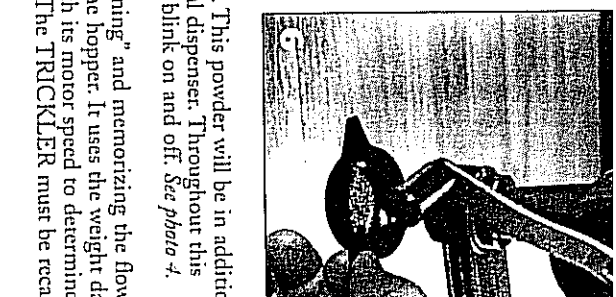
With the scale in the grains mode, zeroed with a scale pan in place and the "D" light on the trickler lit, partially fill the powder hopper of the TRICKLER. Using your Uniflow Powder Measure, dispense the approximate size load you wish to use into the powder pan.



NOTE: Before you can calibrate the TRICKLER, the scale pan must have over 1 grain of powder in it. If you attempt to calibrate with less than this amount, the 3 TRICKLER lights will blink to indicate an error.

Press the CAL button on the TRICKLER. The CAL light on the TRICKLER will begin to blink on and off. In a few seconds the motor in the TRICKLER will turn on and begin dispensing powder into the scale pan.

During the calibration process, the motor will turn on and off several times and will run at high and low speeds. Approximately 10 to 15 grains of powder will be dispensed. This powder will be in addition to the original powder from your mechanical dispenser. Throughout this process, the CAL light "C" will continue to blink on and off. See photo 4.



During calibration the TRICKLER is "learning" and memorizing the flow characteristics of the particular powder in the hopper. It uses the weight data being fed from the scale in combination with its motor speed to determine the rate of flow for the powder being used. The TRICKLER must be recalibrated each time you switch powders.

When the calibration process is complete, the calibrate light in the TRICKLER "C" will stop blinking and remain lit. Return the powder in the pan to the hopper and put the pan back on the scale allowing it to re-zero itself. The scale and TRICKLER are now ready for use.

TRICKLING POWDER

The Disp (D) and Cal (C) lights on the TRICKLER should both be lit and not blinking. The scale should be in grains mode with the scale pan in place and the display reading "00.0". The first step is to place the desired charge weight of powder into the scale pan and program the trickler to memorize. Using your Uniflow Powder Measure, put the amount of powder you want the TRICKLER to memorize into the powder pan (minus a few grains). Allow the scale to stabilize. Press and hold down the DISP button to add remaining grains of powder to the scale to equal your target weight.

NOTE: The weight displayed on the scale lags behind the weight placed on the powder pan by up to 5 seconds. This allows the scale to filter out small vibrations and wind currents. You will quickly learn the loading time required as you use your Powder Pro. Release the DISP button when the scale is displaying 2-3 tenths below your target weight. Allow the scale a few seconds to display the correct weight. If additional powder is needed, press and hold the DISP button as required.

When the scale is displaying the desired weight, press MEM on the TRICKLER, the "M" light will now stay lit. The weight displayed on the scale when you pressed the MEM button is now recorded into the memory of the TRICKLER. To erase the weight stored in the TRICKLER, press RESET. See photo 4.

NOTE: While the TRICKLER can dispense up to 5 grains of powder, the closer you starting charge is to your desired charge, the quicker the trickler will reach the target weight. We recommend that you adjust your Uniflow Powder Measure to produce a starting charge weight within 2 grains of the memorized target weight. If you attempt to dispense more than 5 grains, the lights on the TRICKLER will blink simultaneously to alert you to the error.

Place your starting charge weight in the scale pan. For example, if you want 50 grains, add 48 grains in the pan and press the DISP button. The TRICKLER will begin trickling powder into the pan when the scale stabilizes. When the dispense light "D" stops blinking, the trickling is complete. Allow a few moments for the scale to "catch up" with what the trickler has dispensed. The scale should read within .1 grains of your memorized target weight. Empty the powder pan and return it to the scale. It is imperative that the scale be allowed to re-zero itself between each load. To produce another load, simply throw your starting charge into the pan with your Uniflow Powder Measure, place the pan on the scale and press DISP.

MAKING A LARGE CHANGE TO THE TARGET WEIGHT

You can double the speed of the TRICKLER motor by quickly pressing the DISP button twice (press, release, press, hold). When you approach your target weight, release the DISP button to return to slow speed mode.

MAKING A SERIES OF LOADS

Start with the lightest load for that powder and work up. For example, if you load 10 at 50.0, 10 at 50.2, 10 at 50.4, etc., produce your first 10 loads and extra. When the "D" light stops blinking after the scale stabilizes on the 10 load, the scale should read 50.0. Without removing the pan, press the DISP button briefly. The TRICKLER will dispense powder in low speed mode long as the button is held down. When the SCALE reads 50.2, press MEM. That will become your new target weight. The trickler can then compensate for the difference.

SETTING THE TRICKLER TO A LOWER WEIGHT

Press the RESET button to erase the memorized weight. Proceed as before. The scale should be in grains mode with the scale pan in place and the display reading "00.0". Using your Uniflow Powder Measure, put the desired powder amount (minus a few grains) into the pan. After the scale has stabilized, hold down the DISP button to manually add the remaining grains needed for your target weight. Press MEM to memorize a new load.

NOTE: Although your trickler can dispense up to 5.0 grains of powder, there MUST be at least 1.0 grains of powder in the scale pan when you start trickling, whether you use manual or automatic mode. The Powder Pro Scale has an Auto Tare feature that automatically rezeros the scale. If you attempt to trickle powder into the pan starting with "00.0" displayed, the scale will try to rezero itself while you are trickling. The result will be an erroneous weight and the scale will begin flashing "TARE", requiring rezeroing.