



Lock-N-Load[®] Auto Charge[™]

The Hornady Lock-N-Load[®] Auto Charge[™] is an extremely useful tool for the beginning or serious reloader. It is great for a hand loader wanting to quickly dispense the same precise charge again and again, or to vary charges with a given powder for accuracy or velocity testing. This unit is quick to setup, easy to use, and extremely accurate to +/-0.1 grains. Highlights include a 1000 grain scale capacity, quick setup and calibration, 3 speed settings to accommodate different powder types, a large and easy to read backlight display, manual or an extremely useful automatic dispense option, trickle function, and over charge protection.

A. IMPORTANT SAFETY FUNCTIONS

WARNING - Before operating the unit please carefully read and understand this document.

- 1) **NEVER** use with black powder – **for smokeless powder only.**
- 2) Do not store powder in the clear powder tube for extended periods. It can absorb moisture from the air, or eventually attack the plastic.
- 3) Internal components are very sensitive. Do not shake, drop, or overload unit. Handle unit with care, treating it as the sensitive instrument it is.
- 4) If spilled powder gets inside unit, do not operate. Contact Hornady Customer Service: 1-800-338-3220

B. TIPS TO IMPROVE PERFORMANCE

- 1) Fluctuation in temperature, even a couple of degrees, can cause scale readings to vary. While the scale can be used right away, optimal performance will occur after unit has warmed up for 5-15 minutes.
- 2) Always place the scale on a flat, level, and stable surface when in operation.
- 3) Electrical interference can cause scale readings to vary. Keep other electronic devices (power strips, motors, radios, phones, etc.) away from scale when in operation.
- 4) Do not let a fan, AC, heater, or open window blow on scale.
- 5) Use of the clear cover over the powder pan will improve accuracy, and lessen the effects of outside variables.

C. QUICK START

- 1) Verify unit is properly assembled with the scale plate, powder pan, and the clear powder tube is in place.
- 2) Turn unit on by plugging in and pressing **ON/OFF** button. For best performance, allow to stabilize for 5-15 minutes before use.
- 3) Calibration is recommended before each use (*see Section E*).
- 4) Ensure the powder pan is on the scale, and that the actual weight reading (right side of display) reads " **0.0** ". If not, touch the **ZERO** button.
- 5) Verify the powder reservoir empty tube cap (at rear, right side) is closed. Fill the clear powder tube to at least a level just visible at the bottom of the clear tube. Fill higher if loading many rounds.
- 6) Enter Target Weight using the numerical key pad. The last number you enter will be the decimal amount of your charge: **XX.X** Press **ENTER** to store Target Weight.
- 7) Press **DISPENSE** to begin dispensing powder charge you have entered.
- 8) If the charge comes up short, you may press and hold the **TRICKLE** button to increase the charge weight.
- 9) Should the dispensed charge be greater than 0.1 grains above your targeted amount, "**OVER**" will be displayed. Press **ENTER** to remove the "**OVER**" warning. You can either dump the charge into the powder tube and re-dispense, or remove only a small amount of the powder, and use the **TRICKLE** button to bring to desired weight.

D. KEYPAD BUTTON FUNCTIONS

- 1) **ON/ OFF** Press to turn on. Hold for three seconds to turn off.
- 2) **ZERO** Press to zero the scale.

- 3) **TRICKLE** Press and hold to slowly dispense very small amounts of powder.
- 4) **DISPENSE** Press to begin dispensing the Target amount.
- 5) **BACK/CANCEL** During dispensing, press once to pause cycle. Press **DISPENSE** to resume dispensing. Hold for 3 seconds to clear the previously entered Target Weight. When entering Target Weight, press once to delete last digit entered.
- 6) **MODE** Press to switch from **AUTO** to **MANUAL** mode before entering Target Weight.
- 7) **AUTO** Each dispensing cycle will begin once the empty pan is placed back on the scale plate and the scale first re-zeros itself.
- 8) **MANUAL** The **DISPENSE** button is used to begin each dispensing cycle after the pan is placed on the scale. This allows a partial charge to be placed on the scale and the Lock-N-Load® Auto Charge™ will finishing trickling the remainder of the charge until the Target Weight is reached.
- 9) **SPEED** Press the **SPEED** button to cycle through the three dispensing speeds:
SLOW, NORMAL, or FAST
 - a) **SLOW** – is typically used for dispensing powders that flow easily or for dropping large grain powders. Results in a longer **TRICKLE** function as the unit approaches Target Weight. Approximately the last 1½ grains get trickled into the powder pan.
 - b) **NORMAL** – can be used for most types of powders and charge weights. Results in a shorter **TRICKLE** function as the unit approaches Target Weight. Approximately the last 1 grain gets trickled into the powder pan.
 - c) **FAST** – can often be used for small to medium sized grains and charge weights, or for powders that don't flow as easily. Approximately the last ½ grain gets trickled into the powder pan.

Note: If the unit dispenses powder too fast on **SLOW** setting, press and hold **MODE** button to begin trickling 0.2 grains sooner. Press and hold **MODE** again to increase **TRICKLE** time in 0.2 grain increments. Press and hold **CANCEL** to reset to default settings.
- 10) **UNITS** Press to select measurements in **GRAINS (GN)** or **GRAMS (GR)**.
- 11) **CAL** Press to begin calibrating scale. See **Calibration**, Section E.
- 12) **ENTER** Enter Target amount using numeric keys, and then press **ENTER** to store Target Weight.

E. CALIBRATION

- 1) For optimal performance, turn unit on and allow 5-15 minutes to warm up.
- 2) Press **CAL** button once and unit will display " **0.00g** ".
- 3) Verify powder pan has been removed, and that the red scale plate is empty.
- 4) Press **CAL** button and the unit will then calibrate while displaying " ---- ".
- 5) When " **10.00g** " is displayed, place the 10g weight on the center of the scale plate and press **CAL**. The unit will then continue calibrating while displaying " ---- ".
- 6) When " **50.00g** " is displayed, remove the 10g weight, and then place the 50g weight on the center of the scale plate. Do not let the weight touch the powder dispense tube.
- 7) Press **CAL**. The unit will then finish calibrating while displaying " ---- ".
- 8) After calibrating, the unit will briefly display " **PASS** " before returning to normal operation.

WARRANTY

The Hornady Lock-N-Load® Auto Charge™ is a highly sensitive instrument, which must be repaired and serviced by a factory qualified technician to maintain the warranty.

Hornady Manufacturing warrants to you that for one year from the date of purchase, your Lock-N-Load® Auto Charge™ will be free from defects in material and workmanship. This warranty does not cover damage caused by normal wear, accidents, abuse, or failure to provide proper care and maintenance. Please contact Hornady Mfg at 1-800-338-3220 for service or warranty information.

The warranty is void if the seal on bottom of unit has been tampered with.