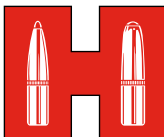INSTRUCTIONS

PRECISION LAB SCALE

Item No. 050118

Accurate. Deadly. Dependable.

IMPORTANT SAFETY FUNCTIONS

WARNING - BEFORE OPERATING THE UNIT, PLEASE CAREFULLY READ AND UNDERSTAND THIS DOCUMENT.

- Internal components are very sensitive. Do not shake, drop, or overload unit.

- Handle unit with care, treating it as the sensitive instrument it is.

- If spilled powder gets inside unit, do not operate. Call Hornady Customer Service at 1-800-338-3220.

POWER SUPPLY

Wall Charger:
Input: AC100-240V - 50Hz/60Hz
Output: DC 9V 1A

Portable Battery Pack (not included):
Output: DC 5V/0.5A

To operate the unit on portable power, use either the included RS232 cable or the Micro USB Cable
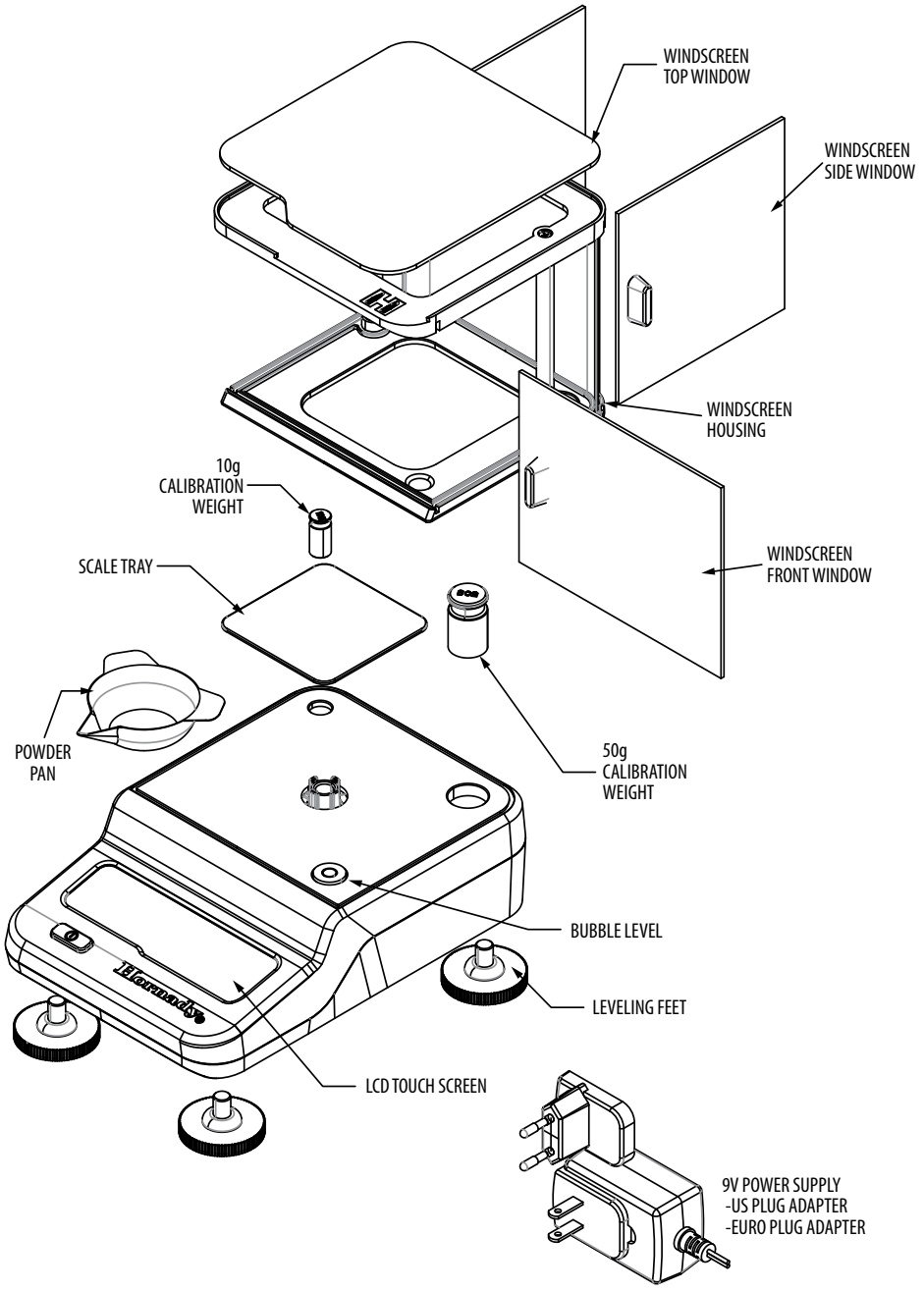
Load Cell:
Weight Limit: 3,000gn
Accuracy: +/-0.04gn

TIPS TO IMPROVE PERFORMANCE

- Fluctuations in temperature, even of a few degrees, can cause scale readings to vary. While scale can be used immediately, optimal performance will occur after unit has warmed up for 5-15 minutes.

- Always place the scale on a flat, level, and stable surface when in operation.

- Electrical interference can cause scale readings to vary. Keep other electronic devices (power strips, florescent lights, motors, radios, phones, etc.) away from scale when in operation.

- Do not let a fan, air conditioner, heater, or open window blow on scale.

- Using clear cover over powder pan will improve accuracy and lessen effects of outside variables.

PARTS LIST

WINDSCREEN TOP WINDOW

WINDSCREEN SIDE WINDOW

WINDSCREEN HOUSING

10g CALIBRATION WEIGHT

SCALE TRAY

WINDSCREEN FRONT WINDOW

POWDER PAN

50g CALIBRATION WEIGHT

BUBBLE LEVEL

LEVELING FEET

LCD TOUCH SCREEN

9V POWER SUPPLY
-US PLUG ADAPTER
-EURO PLUG ADAPTER

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KEYPAD BUTTON FUNCTIONS

ON/ OFF *(mechanical button)*: Tap to turn on. Hold for three seconds to turn off.

CALIBRATE: Hold for three seconds to calibrate.

MODE: Tap to toggle units (G, GN, OZ). Hold for three seconds to enter "Mode Menu." *See "Mode Menu" section for operation.*

PRINT: Tap to output weighing data. Can only be used when connected with included RS232 cable to a computer. *See "Outputting Data" section for operation.*

SAMPLE: Tap to round last decimal place. Hold for three seconds to turn beeps off.

ZERO: Tap to zero the scale

CAL + ZERO + ON/OFF: Factory Reset

CALIBRATION

- For optimal performance, turn unit on and allow 5-15 minutes to warm up.

- Verify powder pan has been removed, and that the metal scale plate is empty.

- Press **CALIBRATE** for three seconds until the unit displays **"CAL---"**.

- When **10.00g** is flashing, place the 10g weight on the center of the scale plate. The unit will show **"-----"** while calibrating the 10g weight.

- When **10.00g** appears again, remove the weight.

- When **50.00g** is flashing, place the 50g weight on the center of the scale plate. The unit will show **"-----"** while calibrating the 50g weight.

- When **50.00g** appears again, remove the weight.

- After calibration the unit will briefly display **"PASS"** before returning to normal operation.

MODE MENU

Holding the **MODE** button for three seconds will enter the mode menu.
The **MODE** menu has the following options:

- **SETTINGS:** the settings menu allows you to set the scale speed and change the units being used. *(See Settings section)*

- **COMPARE:** the compare function allows you to set a nominal weight, along with a tolerance range, and easily compare items to your acceptable range.
  (See COMPARE section)

- **PERCENT:** the percent function allows you to set a nominal weight and compare items to your acceptable weight in percentage form. *(See Percent section)*

- **PIECE:** the piece function allows you to count the number of parts in a batch based off the weight of a small sample size. *(See Piece section)*

Use the following buttons at any time in the **MODE** menu:

- › **SAMPLE:** tap to toggle through menu options forward

- › **PRINT:** tap to toggle through menu options backwards

- › **ZERO:** tap to select or deselect option

- › **CALIBRATE:** tap to return to the main menu

- › **MODE:** tap to return to the main weighing screen

SETTINGS *(select with ZERO button)*

- The settings menu offers two options:
  - › **SPEED:** this is displayed as SENSITIVITY on the main weighing screen.
    - » **HI:** the most sensitive setting for the scale, and the most likely to be affected by external elements. Will also have the fastest response time.
    - » **LOW:** the least sensitive setting for the scale, and the least likely to be affected by external elements. Will also have the slowest response time.
  - › **UNITS:** This allows for more unit options that are not found when tapping the mode button. Once a unit is selected using the zero button it will display when tapping through the mode options for units. These units will also need to be deselected in the units menu to be removed from the mode button toggling.
    - » CT, LB, OZT, MOM, dWT, T, MS.

COMPARE *(select with ZERO button)*

- › Use *"Sample"* button to toggle through options forward
- › Use *"Print"* button to toggle through options backwards. *(options: ON,OFF)*
- › Use *"Zero"* button to select option and enter the options menu.
- › Use *"Calibrate"* to return to Main Menu
- › Use *"Mode"* at any time to exit all menus and return to standard weighing or last used weighing mode.

- **ON** *(select with ZERO button, double tap ZERO to enter the COMPARE – ON settings)*
  - › Use *"Sample"* button to toggle through options forward
  - › Use *"Print"* button to toggle through options backwards.
    (options: NOM WT, TOL HI, TOL LOW)
  - › Use *"Zero"* button to select and enter options menu
  - › Use *"Calibrate"* to return to Compare Menu
  - › Use *"Mode"* at any time to exit all menus and return to or start comparing.

- **NOM WT** *(select with ZERO button)*
  - › Tap and Hold *"Zero"* to use current weight on scale for nominal weight
  - › Use *"Sample"* button to toggle through place holders forward
  - › Use *"Print"* button to toggle through place holders backwards
  - › Tap *"Zero"* button to edit place holder
    - » Use *"Sample"* button to toggle through selected place holder (0-9)
    - » Use *"Print"* button to toggle through selected place holder (9-0)
    - » Tap *"Zero"* again to select place holder value
  - › Use *"Calibrate"* when finished, or at any time to return to **COMPARE- ON** menu
  - › Use *"Mode"* at any time to exit all menus and return to or start comparing

- **TOL HI** *(select with ZERO button)*
  - › This number is the number of units away from your nominal weight you are allowing.
    - » Example: 10g +/- .4g | Tol HI: .4g
    - » Use *"Sample"* button to toggle through place holders left to right
    - » Use *"Print"* button to toggle through place holders right to left
    - » Tap *"Zero"* button to edit place holder
      - ◦ Use *"Sample"* button to toggle through selected place holder (0-9)
      - ◦ Use *"Print"* button to toggle through selected place holder (9-0)
      - ◦ Tap *"Zero"* again to select place holder value
    - » Use *"Calibrate"* when finished, or at any time to return to **COMPARE- ON** menu
    - » Use *"Mode"* at any time to exit all menus and return to or start comparing

- **TOL LOW** *(select with ZERO button)*
  - › This number is the number of units away from your nominal weight you are allowing.
    - » Example: 10g +/- .4g | Tol LOW: .4g
    - » Use *"Sample"* button to toggle through place holders left to right
    - » Use *"Print"* button to toggle through place holders right to left
    - » Tap *"Zero"* button to edit place holder
      - ◦ Use *"Sample"* button to toggle through selected place holder (0-9)
      - ◦ Use *"Print"* button to toggle through selected place holder (9-0)
      - ◦ Tap *"Zero"* again to select place holder value
    - » Use *"Calibrate"* when finished, or at any time to return to **COMPARE- ON** menu
    - » Use *"Mode"* at any time to exit all menus and return to or start comparing

- **OFF** *(select with ZERO button)*
  - › Turn off Compare function.

PERCENT *(select with ZERO button)*

- › Use *"Sample"* button to toggle through options forward
- › Use *"Print"* button to toggle through options backwards. (options: ON,OFF)
- › Use *"Zero"* button to select option and enter the options menu.
- › Use *"Calibrate"* to return to Main Menu
- › Use *"Mode"* at any time to exit all menus and return to standard weighing or last used weighing mode.

- **ON** *(select with ZERO button, double tap ZERO to enter the PERCENT – ON menu)*
  - › Tap and Hold *"Zero"* to use current weight on scale for 100% weight
  - › Use *"Sample"* button to toggle through place holders forward
  - › Use *"Print"* button to toggle through place holders backwards
  - › Tap *"Zero"* button to edit place holder
  - › Use *"Sample"* button to toggle through selected place holder (0-9).
  - › Use *"Print"* button to toggle through selected place holder (9-0)
    - » Tap *"Zero"* again to select place holder value
  - › Use *"Calibrate"* when finished, or at any time to return to Percent Menu
  - › Use *"Mode"* at any time to exit all menus and return to or start comparing

- **OFF** *(Select with ZERO button)*
  - › Turn off Percent function.

PIECE *(select with ZERO button)*

- › Use *"Sample"* button to toggle through options forward.
- › Use *"Print"* button to toggle through options backwards. (options: ON,OFF)
- › Use *"Zero"* button to select option and enter the options menu.
- › Use *"Calibrate"* to return to Main Menu
- › Use *"Mode"* at any time to exit all menus and return to standard weighing or last used weighing mode.

- **ON** *(Select with ZERO button, double tap to enter the Count menu)*
  - › Use *"Sample"* button to toggle through options forward.
  - › Use *"Print"* button to toggle through options backwards. (options: 5,10,15)
  - › Use *"Zero"* button to select option & Enter the options menu.
  - › Use *"Calibrate"* to return to Piece Menu
  - › Use *"Mode"* at any time to exit all menus and return to standard weighing or last used weighing mode.

- **5** *(Select with ZERO button)*
  - › Tap and Hold *"Zero"* to use current weight on scale for nominal weight
  - › Use *"Sample"* button to toggle through place holders forward.
  - › Use *"Print"* button to toggle through place holders backwards
  - › Tap *"Zero"* button to edit place holder
    - » Use *"Sample"* button to toggle through selected place holder (0-9)|
    - » Use *"Print"* button to toggle through selected place holder (9-0)
    - » Tap *"Zero"* again to select place holder value
  - › Use *"Calibrate"* when finished, or at any time to return to PC-ON Menu
  - › Use *"Mode"* at any time to exit all menus and return to or start comparing

- **10** *(Select with ZERO button)*
  - › Tap and Hold *"Zero"* to use current weight on scale for nominal weight
  - › Use *"Sample"* button to toggle through place holders forward.
  - › Use *"Print"* button to toggle through place holders backwards
  - › Tap *"Zero"* button to edit place holder
    - » Use *"Sample"* button to toggle through selected place holder (0-9).
    - » Use *"Print"* button to toggle through selected place holder (9-0)
    - » Tap *"Zero"* again to select place holder value
  - › Use *"Calibrate"* when finished, or at any time to return to **PC-ON** Menu
  - › Use *"Mode"* at any time to exit all menus and return to or start comparing

- **15** *(Select with ZERO button)*
  - › Tap and Hold *"Zero"* to use current weight on scale for nominal weight
  - › Use *"Sample"* button to toggle through place holders forward.
  - › Use *"Print"* button to toggle through place holders backwards
  - › Tap *"Zero"* button to edit place holder
    - » Use *"Sample"* button to toggle through selected place holder (0-9.
    - » Use *"Print"* button to toggle through selected place holder (9-0)
    - » Tap *"Zero"* again to select place holder value
  - › Use *"Calibrate"* when finished, or at any time to return to **PC-ON** Menu
  - › Use *"Mode"* at any time to exit all menus and return to or start comparing

- **Off** *(Select with ZERO button)*
  - › Exit menu and return to standard weighing screen

OUTPUTTING DATA

The Hornady Precision Lab Scale has the ability to output the weighing data into the spreadsheet program of choice. To do this:

- Plug the included RS232 cable into the back of the scale
  - › Plug the USB side of this cable into the computer
- Open a spreadsheet
- Place an item on the scale and tap print
  - › This will print out the value displayed on the screen to the spreadsheet
  - › A "P" will be displayed on the screen once the print button is tapped, the P will be displayed until the unit is removed and the scale returns to zero

WARRANTY

All Hornady® reloading tools and accessories are warranted against material defects and workmanship.

Hornady electronic components are covered by a one-year warranty from the date of purchase.

This warranty is void if the product (1) has been damaged by accident or unreasonable use, neglect, improper service or other causes not arising out of defects in material or workmanship; or (2) has been altered or repairs have been made or attempted by other than authorized factory personnel; (3) is used commercially; or (4) has been altered or defaced in any way.

This warranty supersedes all other warranties for Hornady® products either written or oral. No other warranty is expressed or implied.

PRODUCT REGISTRATION AND SERVICE

You must register your product to obtain Warranty Service. Complete the registration form at **hornady.com/warranties.**

TO RECEIVE WARRANTY SERVICE

To report a warranty claim, call Hornady® at 800-338-3220 to request a return authorization number. Returns will not be accepted without prior return authorization by Hornady.®

Scan to register your product to receive the full benefit of its warranty.

POST-WARRANTY SERVICE INFORMATION

For issues concerning service after the Limited Warranty expires, contact Hornady® at 800-338-3220.

PRODUCT SERIAL NUMBER AND REFERENCE INFORMATION

You must register your product in order to obtain warranty service. In the event you should need service for your product, please note the following information:

Serial Number _____

Date Purchased _____

Retailer _____

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.