FRANKFORD ARSENAL™

INTELLIDROPPER™ ELECTRONIC POWDER MEASURE

PRODUCT #1082250 INSTRUCTIONS #1105521 REV. A

STOP! **If you have a problem with this product, DON'T RETURN IT TO THE STORE WHERE YOU PURCHASED IT.**

AMERICAN OUTDOOR BRANDS CORPORATION™
1800 North Route Z
Columbia, MO 65202

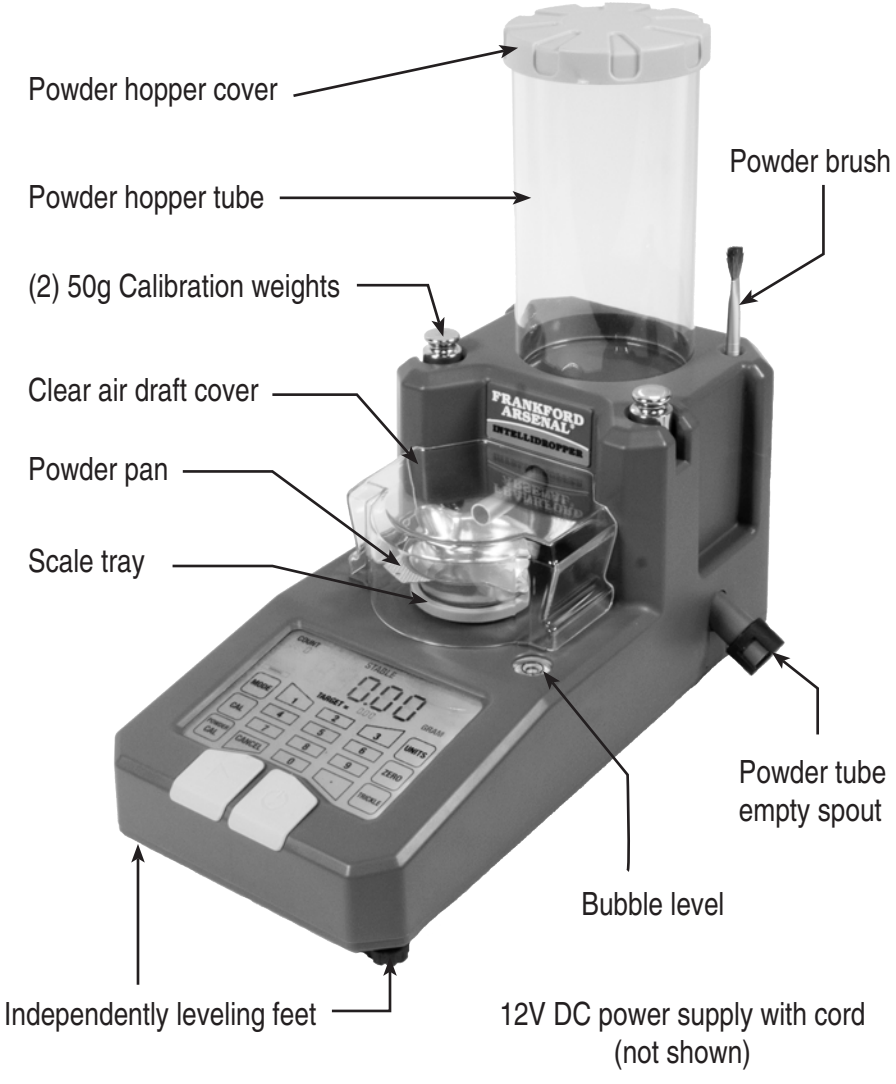
Have an issue with this product? Please contact customer service by filling out the form on the contact page of our website at www.BTIbrands.com/ or call us at: 1-877-509-9160

NOT WARRANTED AGAINST MISUSE, ABUSE, OR COMMERCIAL USE.

Limited Warranty

Every Frankford product is warranted to be free of defects in materials and workmanship for a period of one (1) year from the date of original purchase. Frankford will, at its option, repair or replace without charge, except for transportation costs, parts that fail under normal use and service when operated and maintained in accordance with our Instructions. This warranty does not apply to normal wear or to items whose life is dependent upon their use and care. This warranty is in lieu of all other warranties, expressed or implied and releases Frankford, its affiliates, and its vendors from all other obligations and liabilities.

THE INTELLIDROPPER™



NOTICE: For ideal dispensing the INTELLIDROPPER™ Powder Measure should be used on a stable level surface in an area that has a well-regulated and stable temperature with minimal air movement or vibrations.

IMPORTANT SAFEGUARDS

- Do not store powder in the hopper for long periods of time, this may ruin the device.
- Do no use this device with black powder. This device is intended for smokeless powder only.
- Do no shake, drop, overload unit, or use a power supply different than the one that is supplied.

SETTING UP THE INTELLIDROPPER

Using the provided 12V DC power supply, provide power to the device.

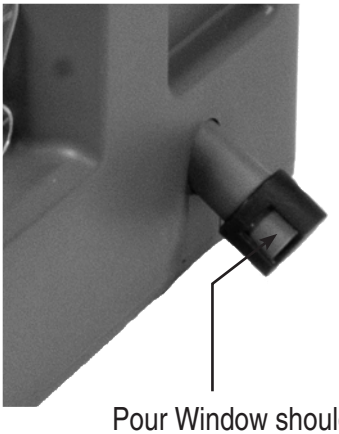
NOTE: Allow the device to stabilize for a minimum of 15minutes. Allowing the device to stabilize will help with its accuracy and precision. Not allowing the device to stabilize may cause inaccuracies in the device and therefore your charge weight may fluctuate.

While the device is stabilizing adjust the 4 feet on the base of the device to level it. Use the Bubble Level to accurately determine that the INTELLIDROPPER™ Powder Measure is level.

NOTE: Not leveling the device may cause inaccuracies in how much powder is dispensed; by up to 0.3 grains difference between the Target Weight and the actual weight.

Place the supplied Powder pan onto the Scale plate of the device. Do this to prevent the powder from accidentally dropping onto the scale plate during initial pouring.

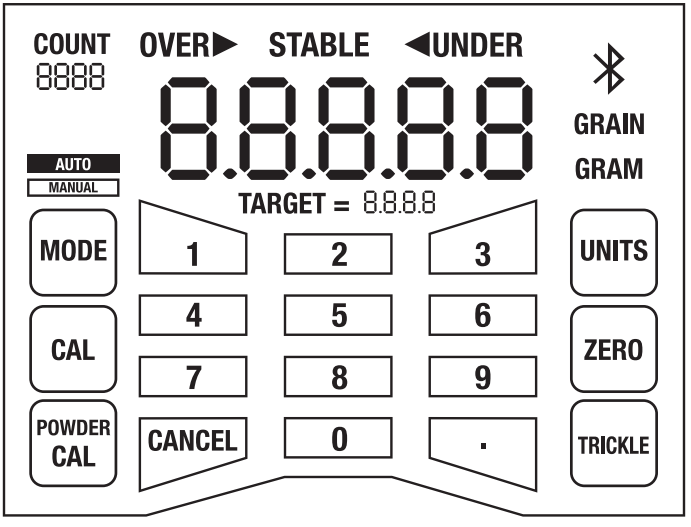
Ensure that the Powder tube empty spout cap is closed so that once you pour powder into the device it does not fall out of the drain. The cap twists OPEN and CLOSED. Make sure the pour window is facing UP for the CLOSED position



Pour Window should be UP to close spout

Pour the powder of your choice into the tube. The tube will hold over 1lb of powder at a time.

Once the device has stabilized, minimum of 15 minutes, it may be calibrated.
To calibrate the device perform the following:



1. Remove the pan from the tray.
2. Press the ZERO button on the screen of the device.
3. Press the CAL button on the screen of the device.
    a. This will prompt the screen to flash 0.000. Once the scale has stabilized it will begin to flash 50.000.
4. Place 1 of the included 50.000 gram calibration weights onto the scale plate. Ensure that the weight is centered as much as possible without it touching the dispensing spout.

Once the device has stabilized it will display STABLE on the screen above the 0.0.0.0.0 display.

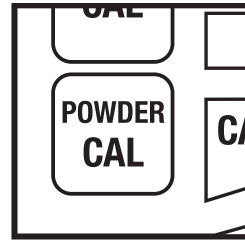
5. Press the CAL button. The screen will now flash 100.00.
6. Place the second included 50.000 gram calibration weight onto the tray. Ensure that the total weight is centered as much as possible without it touching the dispensing spout.

Once the device has stabilized it will display STABLE on the screen.

7. Press the CAL button.

The device is now calibrated. Place the pan back onto the tray.
ZERO the device by pressing the ZERO button on the screen.

At this point the device is ready to dispense.



For optimized dispense times use our PATENT PENDING POWDER CAL feature. This optimizes the dispense rate of the device for each individual powder.

To use our POWDER CAL feature

1. Fill the Powder tube with powder and replace the tube cover
2. Make sure the powder tray is on the Scale plate.
3. Press the POWDER CAL button on the screen of the device.

The device will now run our PATENT PENDING algorithm to determine the optimal motor speed to allow the device to run as fast as possible, while ensuring accurate and precise weights. Once the device is finished it will be and display STABLE on the screen.

4. Empty the pan and place it back onto the tray.

5. ZERO the device.

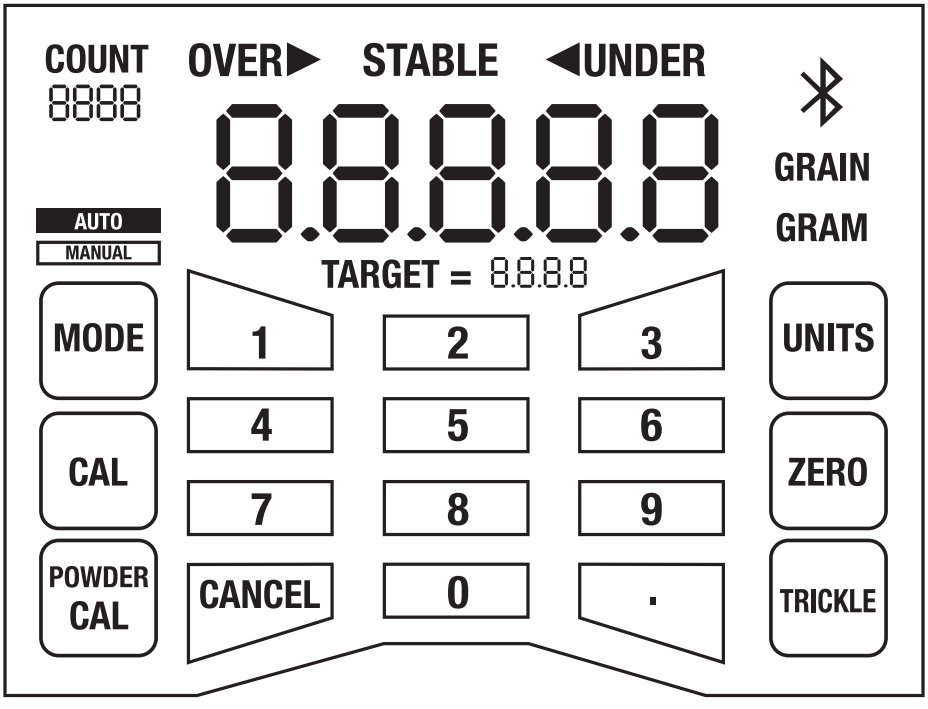
DISPENSING

1. Type in your desired target weight and press the GO button.
   The device will now dispense the amount of powder that you input.
2. Once finished the device will beep and display stable.
3. Once you place the pan back onto the tray, the device is ready to dispense again.

NOTE: For best results use the provided air draft cover when dispensing

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme auc CNR d'Inudstrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas prduire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



BUTTON FUNCTION

MODE: Adjusting the device from **AUTO** to **MANUAL**.

a. When in **AUTO** the device will dispense automatically after the empty pan has been placed back onto the tray after a dispensing cycle.

b. When in **MANUAL**, the user will have to press the DISPENSE/GO button in order for it to dispense a set target again.

CAL: Used to calibrate the device.

POWDER CAL: Runs our patented powder calibration algorithm to optimize the dispense time of the device.

UNITS: Adjust the units from GRAIN to GRAM and GRAM to GRAIN.

ZERO: To ZERO the scale. If the device is moved or adjusted, it may cause the initial ZERO reading of the device to shift.

TRICKLE: Steps the motor at its slowest dispensing speed.

DISPLAY FUNCTIONS

OVER/STABLE/UNDER: After dispensing the screen should flash STABLE.
a. If it flashes OVER it has dispensed to much powder
b. If it flashes UNDER it has not dispensed enough powder

COUNT: Keeps a count of how many dispenses per session.
Does not count over or under charges.

TARGET: Lists your target dispense weight

BLUETOOTH® SYMBOL: Is shown when Bluetooth® is activated and paired with your device.

FRANKFORD ARSENAL® POWDER INTELLIDROPPER APP

FREE! Download the Powder Intellidropper App from online and Bluetooth® your Phone or Tablet directly to your Intellidropper™ Powder Measure.

Loaded with features the Powder App takes reloading to the next level.

App Features

- Preloaded caliber with bullet type, weight, ballistic coefficient, sectional density and length options
- Preloaded bullet and powder databases
- Preloaded cartridge list
- Preloaded powder list (Hodgdon, Alliant, etc.)
- Input case, atmosphere conditions, primer, length of barrel and more!

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