Empty The Measure  To change powder, close hopper by rotating clockwise. Place a container underneath drop tube, then work the lever a few times to empty the powder below the valve. Now you can pull off the hopper and empty into the original powder can. Don’t forget to turn valve on before starting to reload the next time. The powder valve is also positioned to act as a powder baffle to enhance the accuracy of your measure.

Rotor Tension Adjustment  When the measure leaves the factory the adjusting screw is set so it 16 oz. of pressure is required to operate the lever. This setting is optimum for most powders. Extremely fine powders or powders may leak very slightly at this setting. This causes no harm. Should you find it objectionable you may tighten the screw adjusting screw slightly. The rotor should never be so tight that more than four pounds are required to rotate lever.

Calibrate your powder or VMD not listed  To find the VMD of your powder, set your powder measure to 4.0cc. Drop the charge, weigh the charge in grains, and divide 4.000 by the weight of the dropped charge. Mark this number on the powder container and you’ll have it for reference in the future. Average of several samples increases accuracy and confidence.

4.0 cc setting

Grains of sample  =  VMD

Grain and cubic centimeters  The grain, as used to measure gunpowder, should not be confused with a granule or kernel of powder. A grain was so named because it was the weight measure equal to one plump grain of wheat. A grain is a grain is a grain whether using avoirdupois, troy or apothecaries weight. The reloader uses the avoirdupois system where there are 7000 grains or 16 ounces to one pound. The same system we use daily in the USA to buy and sell gunpowder, steak, potatoes, etc.

Don’t confuse grains and grams, a gram equals 15.432 grains. 1.0 cc of water weighs 1 gram. So if you are ever curious about your case capacity, weigh your empty case in grams, fill the case with water and the difference between full and empty case will tell you the useful case capacity in cc’s.

grams x 15.432 = grains

WARNING Handling live primers and spent primers may expose you to lead or other chemicals, which are known to the State of California to cause reproductive harm and cancer. For more information, go to www.P65Warnings.ca.gov.

WARNING Steel parts in this product may be alloyed with trace amounts of lead and other elements which are known to the State of California to cause reproductive harm and cancer. For more information, go to www.P65Warnings.ca.gov. To prevent exposure, do not alter the product by welding, grinding, etc.
The Lee Perfect Powder Measure is built to give you a lifetime of unmatched accuracy. Unlike other powder measures, you can use any type of smokeless powder. Because black powder explodes in bulk, it should not be used in this powder measure. Most powders will be dispensed in such uniform charges that you will think your scale is stuck. Extruded powders, such as most IMR powders, work just fine. They do not meter quite as well, but you can expect charges more uniform than possible with any other measure. IMR powders, work just fine. They do not meter quite as well, but you can expect charges more uniform than possible with any other measure. In such uniform charges that you will think your scale is stuck. Extruded powders, such as most IMR powders, work just fine. They do not meter quite as well, but you can expect charges more uniform than possible with any other measure. In such uniform charges that you will think your scale is stuck. Extruded powders, such as most IMR powders, work just fine. They do not meter quite as well, but you can expect charges more uniform than possible with any other measure. Unlike other powder measures, you can use any type of smokeless powder. Because black powder explodes in bulk, it should not be used in this powder measure. Most powders will be dispensed in such uniform charges that you will think your scale is stuck. Extruded powders, such as most IMR powders, work just fine. They do not meter quite as well, but you can expect charges more uniform than possible with any other measure.

Lee Safety Powder Scale

Magnetically damped and Approach-to-weight
Safety and accuracy are the most important features. Easy to read and set. Calibrated with weights traceable to the United States Bureau of Standards. Even if you already own a combination bullet and powder scale, you will want a Lee Safety Powder Scale. 90061

Snug Thimble
Once you’ve achieved your charge, snug up the thimble after setting and the “o” ring will hold the setting with no fear of it moving while in use.

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If using the measure for the first time, you must process at least one charge full of powder through the measure to coat the nylon parts with graphite from the powder. This conditioning is important so static electricity will be bled off. Otherwise, you’ll find the measure continues to dispense charges progressively heavier. This need only be done once.

The lever should be turned at a uniform, slow to moderate speed to a full stop in both directions. If using a large charge you must pause in both directions to permit the metering tube to fill and empty. You will be able to see the powder move in the hopper while the tube is filling.

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