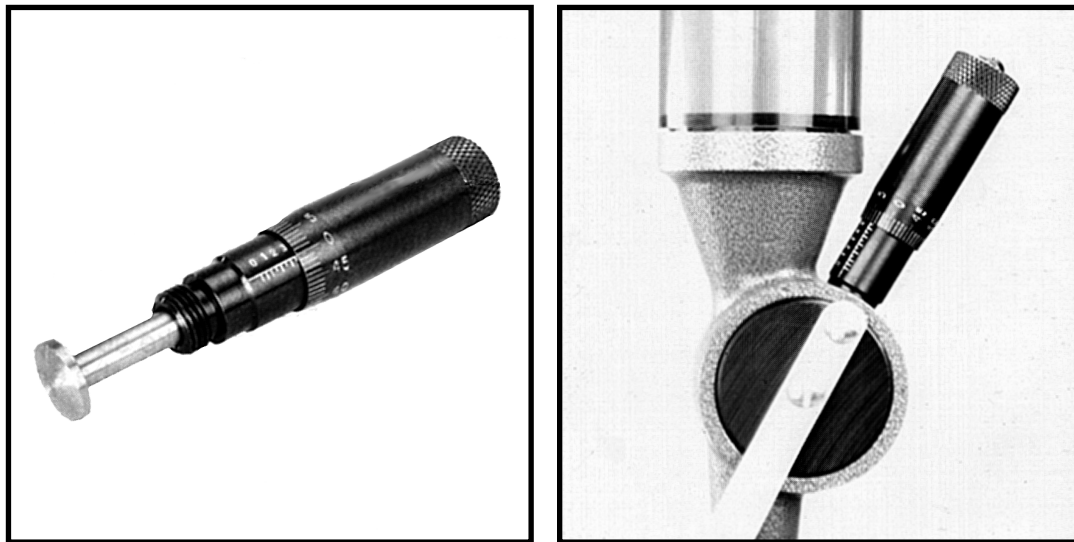


UPM MICROMETER ADJUSTMENT SCREW

The Uniflow Powder Measure has long been the choice of experienced reloaders because it can throw. Handloaders who would like the convenience of a micrometer adjustment on their Uniflow can now add that feature to their powder measure.

A micrometer adjustment screw is available that fits any Uniflow Powder Measure equipped with a large cylinder. It is easily installed by removing the standard metering screw, lock ring and bushing. These are replaced by the micrometer unit.



The micrometer adjustment feature allows the handloader to record the micrometer reading for a specific charge of a given powder and, by using the micrometer, return to that setting at a later date when the charge is again being used. Although the same setting will probably not give exactly the same charge due to change in powder lot, humidity and other variables, the micrometer setting will be very close and save the handloader considerable time.

The installation procedure gives the operator the opportunity to adjust the body of the micrometer to any position that provides the best visibility for reading and setting the unit.

***RCBS UPM Micrometer Adjustment Screw, Large, Part #98901.
RCBS UPM Micrometer Adjustment Screw, Small, Part #98902.***



UPM MICROMETER ADJUSTMENT SCREW INSTRUCTIONS

Before installing the Micrometer Adjustment Screw remove the old metering screw from the Uniflow Powder Measure. To do this, unscrew the bushing at the base of the metering screw and push the screw out through the top of the plastic powder measure hopper. Clean the new metering screw to remove any oil from the part.

Included with the Micrometer Adjustment Screw are three thin washers, or "shims." These allow alignment of the linear scale, or index, in any position the operator chooses. The only way to determine the number of shims needed is by trial and error. Each shim provides a 90° rotation of the body. To set the index in the position you wish, first screw the micrometer body into the cylinder until snug. Note the position of the index. If the alignment is not satisfactory, remove the body and add a shim to the body over the threads. Screw the body into the cylinder again and note the change in the location of the index. By adding or deleting shims, you will be able to set the index according to your preference.

Having determined how many shims are required to properly locate the index scale, remove the micrometer body. Drop the metering screw into the powder hopper, threaded end first. The screw will drop into the hole of the cylinder and the threaded end can be grasped from the outside.

Holding the shank of the metering screw to prevent rotation, screw the body of the micrometer (with the correct number of shims) onto the shank until the threads of the body come in contact with the cylinder. Release the shank and screw the micrometer body in to the powder measure cylinder. Make sure the shims align in the counterbore of the cylinder. Use the wrench flats on the end of the body to tighten the body securely.

Slip the micrometer thimble over the shank and secure it to the metering screw with the setscrew. Holding the cylinder halfway through its travel, turn the micrometer down as far as it will go until the metering screw stops against the powder measure casting. Loosen the setscrew and adjust the thimble position to set the micrometer at the "zero" reading.

Rotate the powder measure cylinder to make sure the Micrometer Adjustment Screw is not rubbing against the casting. If it is rubbing against the casting, unscrew the micrometer one or two graduations. Then, loosen the setscrew and re-zero the micrometer. Tighten the setscrew, and the Uniflow with the Micrometer Adjustment Screw is ready to use.

