
Oscillatap *Sieve shaker*

Thank you for purchasing the **OSCILLATAP** sieve shaker. You and your company will enjoy many years of use from this quality testing system.

The Oscillatap sieve shaker has the ability to accommodate a variety of sieves from 3 inch up to 12 inch diameter or metric equivalent.

INSTALLATION

Oscillatap shaker has been shipped complete and ready for operation. It is recommended that the base be properly fastened to a ridged platform, or on the floor, using bolts or fasteners of sufficient size. Plug power cord into appropriate grounded receptacle.

Sieve sets are not supplied with machine, they can be purchased separately or in nests, contact M&L Testing Equipment (1995) Inc. for price and availability. Visit us on-line at www.mltest.com or email info@mltest.com

METHOD

It is recommended that you familiarize yourself with the ASTM D75 and C702 specifications before proceeding. These standards can be purchased on-line at www.astm.org

OPERATION

Adjust the four centering posts on the sieve cradle, to accommodate the size of sieve diameter to be used. Using a 7/16 wrench on bottom bolts and 3/8" wrench on posts. Move posts to the inner slots for 3 to 5 inch sieves and the outer slots for 8, 10 and 12" sieves or equivalent in metric. It may be beneficial to use a sieve pan for easy alignment.

Once centering posts have been adjusted for the size of sieve diameter needed for testing. The upper hold down bar will require adjustment. Turn the black three prong knobs clockwise for down ward adjustment or counter clockwise for upward movement. Move the knobs to a position large enough to facilitate the amount of sieves/pan and cover and sufficient room to place the sieve nest into the shaker.

Oscillatap shaker, has been equipped with quick and easy crosshead hold up feature, so when sieves are to be loaded/unloaded and knobs have been adjusted to accommodate nest of sieves, these locators can be squeezed and raised or lowered to hold the hold down bar out of the way for loading/unloading. Newer style shakers have swing away hold down bars.

After loading nest of sieves, squeeze the hold up locators and adjust them down so that the hold down bar is now resting on top of the nest. Turn knobs until sufficient force has been applied to keep the nest in place while test is being performed.

Note: Too much force can damage sieves and of course too little will allow the sieves to come loose, and nest will be thrown from shaker. Use common sense when tightening, larger samples will require more force.

Newer style shakers have quick locate fasteners and swing away hold down bars. Load nest, move hold down bar onto top of sieves and adjust and tighten.

Shaker is now loaded and ready for testing.

Your shaker has been equipped with a 30 minute timer. Turning the timer will start the shaker immediately, adjust timer for desired length of time. The shaker will stop once the desired amount of time has run out.

Note: When loading nests of sieves, that are less than the amount previously selected, use a filler sieve on top of nest to accommodate space, and therefore less adjustment is needed for hold down mechanism, and will save time.

Caution! Sieve shaker has several pinch points! Keep hands and loose clothing away from moving parts while the machine is in operation. Manufacturer/distributor will not be held responsible for any injuries.

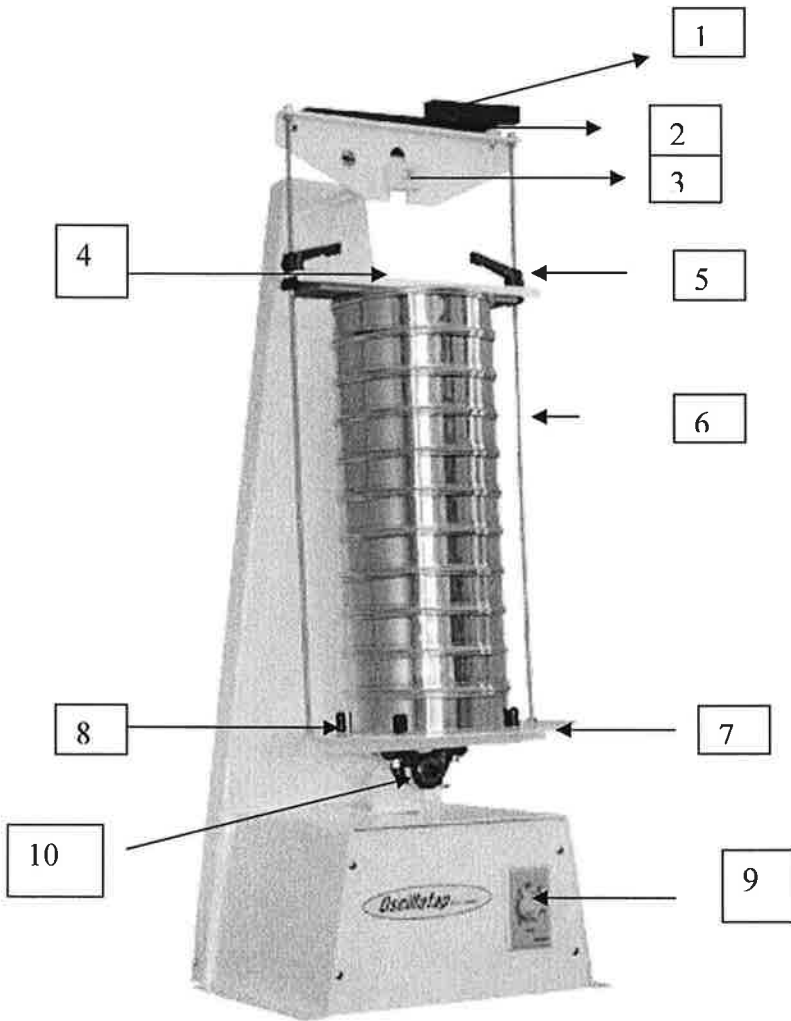
MAINTENANCE

- 1 - Disconnect power before servicing.
- 2 - Clean shaker periodically.
- 3 - Grease/oil bearing and cam shaft once a month depending upon usage.
- 4 - Oil motor every six months. Remove front and back covers, locate oil filler points on motor and lubricate with a standard 10w30. Three or four drops is sufficient. Reinstall covers and tighten as necessary.
- 5 - Periodically, check and adjust fasteners for tightness.
- 6 - Belt should be checked for tightness and wear. A worn or loose belt will cause the shaker to perform poorly and not meet specifications. Replace belt if worn and adjust tightness. RPM of shaker should be 215 +/- 5%.

WARRANTY

For one full year from date of purchase, manufacturer will free of charge replace any parts and provide mechanical service necessary for proper operation, except for normal maintenance. If shaker has been misused/altered or improperly maintained, warranty is void and null. Warranty service is available by returning shaker to manufacturer. Purchaser is responsible for transportation charges.

Oscillatop Sieve Shaker/ML4330.TS



- 1- Tapper
- 2- Teflon damper
- 3- Teflon guide bushing
- 4- Hold down bar
- 5- Hold down knob/Fastener
- 6- Threaded rod/ old style 5/16", new style 3/8"
- 7- Sieve cradle
- 8- Centering posts
- 9- Timer
- 10- Bearing