

Operating Instructions

ELE LABORATORY SIEVE SHAKER

Models: 80-0455/02

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LABORATORY SIEVE SHAKER MODEL 80-0455/02

I. GENERAL INFORMATION

The **80-0455/02 Laboratory Sieve Shaker** provides a combination of shaking actions that assures an accurate sieving or grading test on large quantities of material.

This model has a capacity of eleven (11) full-height, 8" (203 mm) diameter sieves, plus pan and cover, or seven (7) full-height, 12" (305 mm) diameter sieves, plus pan and cover. With both horizontal and vertical motions, the Laboratory Sieve Shaker effectively separates the materials and moves them quickly through the sieve meshes.

The **80-0455/02** is ideal for projects demanding large volumes of sieve analyses, as conducted by many types of commercial, educational, engineering research, and highway department laboratories.

II. INSTALLATION AND OPERATION

A. Installation

1. Mount the unit onto a level surface, installing 3/8" bolts into the appropriate holes of the shaker base.
2. Loosen the two side-mounted clamp knobs and adjust the height of the sieve clamp for the number of sieves to be used. (This clamp may be difficult to move when new. Try to move the clamp along both vertical threaded rods evenly.)
3. Assemble the stack of sieves in the shaker, placing a pan at the bottom of the stack.

4. Load the sieves with the sieving material as required for the type of test being conducted. Please refer to the appropriate ASTM or AASHTO method for further instruction.
5. Lower the sieve clamp and tighten the clamp knobs to hold the sieve stack in place.

B. Operation

1. Making sure the timer dial is set to the "off" position; plug the power cord into the appropriate power outlet (115 V, 60 Hz).
2. To begin the shaking action, turn the timer dial beyond the 4-minute mark. Set the timer dial to the desired time, up to 30 minutes.
3. The machine will stop once the timer reaches zero.

III. SPECIFICATIONS

Capacity	11 sieves, 8" (203 mm) diam., plus pan and cover 7 sieves, 12" (305 mm) diam., plus pan and cover
Motor	1/4 h.p.
Dimensions	18" long x 14.5" wide x 48" tall
Weights	Net 73 lbs.