

YODER SIEVE SHAKER (WET) PTE-YSS-115



APPLICATIONS

- 1. Soil Aggregate Stability Testing:**
Used to determine the stability of soil aggregates under wet conditions — an important indicator of soil structure and erosion resistance.
- 2. Agricultural Soil Research:**
Helps evaluate the effect of tillage, cropping pattern, fertilizer, and irrigation on soil structure and aggregate strength.
- 3. Soil Health & Fertility Studies:**
Widely used in soil testing laboratories and research institutions for assessing soil quality parameters.
- 4. Erosion and Sediment Studies:**
Determines how soil breaks down under water action, assisting in erosion control and watershed management research.
- 5. Environmental and Geotechnical Testing:**
Useful for analyzing particle disintegration and soil behaviour in wet environments for environmental and construction projects.
- 6. Soil Conservation Research:**
Helps study the impact of conservation practices like mulching or cover cropping on soil aggregate stability.

KEY FEATURES

- Wet Sieving System:**
Specially designed for wet analysis of soil aggregates and fine materials in water medium.
- Multiple Sieve Sets Capacity:**
Can accommodate 1, 2, or 4 sets of sieve stacks, each with up to 7 sieves (8-inch dia.) for simultaneous testing.
- Uniform Oscillating Motion:**
Provides up and down oscillation of 25 ± 2 cycles per minute ensuring even sieving action.
- Adjustable Timer Control:**
Equipped with a digital or mechanical timer (0–60 minutes) for automatic operation and consistent test timing.
- Durable Construction:**
Made of mild steel with stainless steel sieve supports and water reservoir for corrosion resistance and long life.
- Smooth and Silent Operation:**
Powered by a $\frac{1}{4}$ HP motor, vibration-free, and mounted on rubber feet for stability and quiet performance.
- Automatic Stop Mechanism:**
Machine automatically stops after the preset time to prevent over-agitation.
- Water Tank & Drainage System:**
Built-in water reservoir with overflow and drainage outlet to maintain constant water level during operation
GI/ SS Body
- Compact, Rigid & Stable Design:**
Heavy-duty frame ensures uniform motion and minimal maintenance.
- Low Power Consumption:**
Operates efficiently on 220–240 V, single phase AC, consuming approximately 300 W.
- Optional Digital Controls:**
Available with digital RPM display, timer, or variable oscillation settings (model dependent).