SEDIMENTATION SHAKER

PRODUCT OVERVIEW

The **motion of a sedimentation shaker** is typically a **reciprocating** that is, the platform moves **back and forth (linear motion)** and **in a gentle rocking pattern** to keep the suspension uniformly mixed during sedimentation tests.

KEY FEATURES

- **Specific Motion:** The primary feature is its controlled, repeatable motion. The most common type for lab tests (like flour sedimentation) is a tilting or rocking motion, where the sample rack oscillates at a fixed angle, typically 30 degrees from the horizontal.
- **Sample Carrier:** It includes a specialized rack carrier, made of acrylic, designed to securely hold a specific number of graduated cylinders of a standard size (e.g., 50ml or 100ml).
- **Speed Control:** The shaker has a speed regulator to set and maintain a consistent number of oscillations.
- **Digital Timer:** A crucial feature is an integrated digital timer that allows the user to set the precise duration for the test. When the time is complete, it typically stops the shaker automatically and sounds an audible alarm or buzzer.
- **Sturdy Construction:** The main body is generally built from durable materials from powder-coated Mild Steel (MS) to provide stability and ensure a long operational life.
- **Motor:** It is operated by a reliable motor, such as a DC motor, to ensure smooth and consistent movement.

TECHNICAL SPECIFICATIONS:

Model	PTE-SS-121 A	PTE-SS-121 B
Cylinder Capacity	4 Cylinders	5 Cylinders
Construction	Powder-coated Ms body with SS top	Powder-coated Ms body with SS top
Cylinder Size	Sample Volume upto 100ml	
Platform Motion	Tilting Rocking	
Oscillation	20 to 180 RPM	
RPM Control	By Knob Only	
Alarm	Audible Alarm Buzzer	
Motor	DC Motor	
Power Supply	220/230V ±10%, 50Hz AC	

OPTIONAL ADD ONS

- Stainless steel body construction.
- Digital Timer upto 999 minutes
- Measuring Cylinder