

## MOTORIZED SIEVE SHAKER

Code : G042



- The Motorized Sieve Shaker is engineered to accurately determine the particle size distribution of fine and coarse materials, such as aggregates and soils, for particles larger than 75  $\mu\text{m}$ .
- Utilizing a vibrating motor, this shaker delivers consistent and standardized sieving action, minimizing operator variability and ensuring repeatable results.
- The device accommodates up to eight full-height sieves and is available in three configurations to support 200 mm, 300 mm, and 450 mm diameter sieves, offering versatility for various testing requirements.
- Equipped with an adjustable timer and vibration intensity settings, the shaker allows precise control over sieving duration and intensity to meet specific testing protocols.
- An optional noise reduction cabinet is available to enhance laboratory safety and comfort by reducing operational noise levels.

### **STANDARDS**

ASTM C136 • EN 932-5

## **TECHNICAL SPECIFICATIONS**

- Sieve Compatibility: 200 mm, 300 mm, and 450 mm diameter sieves
- Capacity: Up to eight full-height sieves
- Adjustable Timer: Configurable sieving duration
- Vibration Intensity: Adjustable
- Drive Mechanism: Vibration Motor

## **EQUIPPED WITH**

- Built-in adjustable timer
- Adjustable vibration intensity controls
- Easy-locking mechanism for secure sieve assembly

## **SUPPLIED WITH**

- Easy-locking knobs

## **ACCESSORIES**

- Noise Reduction Cabinet can be ordered separately
- PC Software (ALFA Utilities - Particle Size Analysis):
  - Draw Particle Size Distribution Curve
  - Coefficient of Uniformity (Cu) and Coefficient of Curvature (Cc) which can be directly used in Soil Classification
  - Plot Upper and Lower limits for the curve
  - Unlimited Save / Recall Old Curve Data

- Export Data to PDF, Image, CSV, Excel, Text File
- ALFA Cloud ® Compatible
- ALFA Cloud ® Subscription

## **ORDERING INFORMATION**

| Item                                                         | Code      |
|--------------------------------------------------------------|-----------|
| MOTORIZED SIEVE SHAKER, ANALOG - Ø 200 mm                    | G042M20XU |
| MOTORIZED SIEVE SHAKER, ANALOG - Ø 300 mm                    | G042M30XU |
| MOTORIZED SIEVE SHAKER, ANALOG - Ø 450 mm                    | G042M45XU |
| NOISE-REDUCTION and SAFETY CABINET for SIEVE SHAKER Ø 200 mm | G041P001H |
| NOISE-REDUCTION and SAFETY CABINET for SIEVE SHAKER Ø 300 mm | G041P002H |
| NOISE-REDUCTION and SAFETY CABINET for SIEVE SHAKER Ø 450 mm | G041P003H |
| SPARE KNOB for SIEVE SHAKER                                  | G041P005H |
| CLAMP PLATE for G041A45XU                                    | G041P008H |