Specifications

MICRO PROCESSOR BASED Vibratory Analytical Sieve Shaker with 3D Motion

Microprocessor Controlled, Bench top sieve shaker with clamping lid should be of High performance, maintenance free electromagnetic drive-for quick sieving & Precise results. Drive should be 3-D throwing motion with angular momentum.

Required Features:

- Suitable for dry and wet sieving
- Digital display of performance and time
- Up to 99 sieving programs
- Excellent separation efficiency even with short sieving times
- Electromagnetic drive principal
- 3-D throwing motion to ensures optimum use of the open sieve area and for the sample to move equally over the whole sieving surface
- Setting of sieve acceleration "g" for comparable and reproducible sieving results
- Free digital adjustment of all process parameters (time, amplitude or sieve acceleration, interval)
- Optional sieve software for control of the shaker, easy evaluation and documentation of results
- Easy operation, ergonomic design, Maintenance-free
- Fulfils all criteria for measuring equipment related to ISO 9001

Specifications:

- Applications: separation, fractioning, particle size determination
- Feed material: powders, bulk materials, suspensions
- Measuring range*: 20 μm - 25 mm
- Sieving motion: throwing motion with angular momentum – 3-dimensional motion of projection
- Max. batch / feed capacity: 3 kg
- Max. number of fractions: 11 / 23
- Max. mass of sieve stack: 6 kg
- Amplitude: Digital, 0.2 - 3.0 mm
- Controlled amplitude: yes
- Sieve acceleration: 1.0 - 15.1 g
- Time display: digital, 1 - 99 min
- Interval operation: 1 - 99 s
- Storable SOPs: 99
- Suitable for dry sieving: yes
- Suitable for wet sieving: yes
- USB interface: yes
- Including test certificate / can be calibrated: Yes
- Suitable sieve diameters: 100 mm / 150 mm / 200 mm / 203 mm (8")
- Max. height of sieve stack: 620 mm
- Clamping devices: Easy release, clamping mechanism should be tight
• Protection code : IP 54 / IP 20
• Electrical supply data : 100-240 V, 50/60 Hz
• Power connection : 1-phase
• W x H x D : max. 417 x 212 x 384 mm
• Net weight : ~ 35 kg
• Standards : CE and Test certificates of equipment should be provided along with quotation
• Noise from equipment during running condition : ≤75dB
• Sieves : Stainless steel (316 Grade of SS), sieves should be of laser calibrated and it should be of same make as the instrument.

Scope of Supply

• Microprocessor Controlled Vibratory Sieve Shaker – 1 nos.
• Clamping device “comfort” for Easy release, clamping mechanism should be tight and perfect throughout sieving process. Sieve should be clamped on smooth rod – 1 nos.
• Stainless Steel Test Sieves acc. to ASTM E11 (200mm x50 mm) 45 μm 325 Mesh – 2 nos.
• Stainless Steel Test Sieves acc. to ASTM E11 (200mm x50 mm) 53 μm 270 Mesh – 2 nos.
• Stainless Steel Test Sieves acc. to ASTM E11 (200mm x50 mm) 75 μm 200 Mesh – 2 nos.
• Stainless Steel Test Sieves acc. to ASTM E11 (200mm x50 mm) 90 μm 170 Mesh – 2 nos.
• Stainless Steel Test Sieves acc. to ASTM E11 (200mm x50 mm) 125 μm 120 Mesh – 2 nos.
• Stainless Steel Test Sieves acc. to ASTM E11 (200mm x50 mm) 150 μm 100 Mesh – 2 nos.
• Stainless Steel Test Sieves acc. to ASTM E11 (200mm x50 mm) 212 μm 70 Mesh – 2 nos.
• Stainless Steel Test Sieves acc. to ASTM E11 (200mm x50 mm) 500 μm 35 Mesh – 2 nos.
• Stainless Steel Test Sieves acc. to ASTM E11 (200mm x50 mm) 1 mm 18 Mesh – 2 nos.
• Collecting pan(for Dry) stainless steel, 200mm Ø, height 50mm – 2 nos.
• O-ring for Test Sieves 200 mm Ø, height 50 mm – 10 nos.
• Balls of rubber 20 mm Ø 5 pieces
• Brushes, 3 pieces

Terms and conditions

1. Goods are required to be dispatched F.O.R. Aligarh Ex-Godown/ at site by passenger Train/Goods Trains/Parcel Post.
2. Goods will be supplied in the name of the Principal Investigator, SERB, Project Department of Geology, Aligarh Muslim University, Aligarh
3. The department has right to accept the rates of some or all the articles required.
4. The Department reserves the right to reject any or all the quotations without assigning any reason or allot full or part of the supply to one or more firms.
5. Payment shall be made against bill.
6. In case goods are not according to specification, the cost of returning them shall be borne by the supplier.
7. The goods have to be supplied as per terms & condition approved
8. The period of validity of the rates offered may be specified.
9. The quotations containing uncalled for remarks are likely to rejection.

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10. The firm has registered, with the GST and any Central Govt Authority should mention, GST Registration No. or TIN No. wherever applicable.
11. The discount/rebate admissible if any, may be quoted.
12. The Rates GST and other charges including surcharge along with concession admissible to educational Institution may be specified.
13. Other incidental charges such as packing, forwarding, insurance etc. may be indicated clearly.
14. Quotations must be received within 10 days after uploading contents.

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