

ELECTROMAGNETIC SIEVE SHAKER

MODEL : EMSS - 200



techno instruments company

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One of the most important characteristics of a good sieve shaker to deliver reliable and reproducible results at any time.

In order to provide a long, trouble free life, the construction is very important. An electromagnetic sieve shaker has no mechanical parts that might require servicing or replacements.

An electromagnetic drive produces an ideal 3 dimensional motion (Vertical motion with a rotation of the material) that disperses the material equally over the whole sieving surface, with extremely quiet (low noise level) operations.

It has a 16 x 4 line LCD Display with back light.

Other useful features that can increase the performance, shorten sieving time are Amplitude control, Continuous and Intermittent vibration control, and Clamping device.

TIC electromagnetic sieve shaker model EMSS-200, is suitable for all sieving applications like grading of soils, aggregate, minerals, cement, Fuels, Drugs, Medical & pharmaceutical applications, Food products, Tea and Coffee granules, Quarries, coal mines, Diamond mines, etc.

MAJOR INDUSTRIES

- * Construction Industry
- * Pharmaceuticals and Chemical Industry
- * Mining
- * Agriculture / Food
- * Research Establishments
- * Engineering, foundries
- * General Laboratories
- * Testing Labs
- * Tea and Coffee industries

ADVANTAGES

- * Easy to use sieve clamping system
- * Upto 8 full height sieves of 200mm dia x 50mm height.
- * Also suitable for 100mm dia. sieves.
- * Suitable for both Dry and Wet sieving.
- * 15 amplitude settings
- * Digital Timer : 1:00 to 99:00 minute
- * Display shows set time, Remaining time, Power and Mode.
- * 3D sieving motion for best results.
- * No mechanical moving parts.
- * Compact, Robust and portable
- * Continuous and Intermittent options

STANDARD ACCESSORIES

- * Two supporting rods made of SS
- * Silicone Rubber Pad.
- * Clamping Knobs
- * Mains Cord
- * Horizontal Bar
- * Operation Manual



SPECIFICATIONS

Model	: Bench top EMSS - 200
Dry sieving	: Standard
Wet sieving	: Operational Kit (OPTIONAL)
Mode of Operation	: Continuous and Intermittent
Intermittent Operation	: At intervals of 2-3 seconds
Capacity	: Upto 8 sieves of 50 mm height Upto 16 sieves of 25 mm height
Shake Time	: Programmable from 1 min to 99 min
Interface	: USB port (Optional)
Power level	: Programmable from 5 to 20
Sieving Motion	: Electromagnetic 3D
Display	: 16 x 4 character alphanumeric LCD
Noise level amplitude	: less than 65 dB without sieves at maximum Amplitude
Maximum	: Less than 75 dB with sieves at Maximum Amplitude..
Power	: 220/230 VAC, 50Hz,
Primary Fuse	: 2.5 Amp (input Supply as 220 / 230 VAC, 50 Hz)
Dimension (mm)	: L 400 x W 350 x H 250 (without rods)
Net Weight	: 45 kg without sieves (Approx.)

CONVERSION TABLE

I.S.S. IS : 460		B.S.S. B.S. 410 MESH	U.S.S.S. ASTME 11- 61 No.
IS No.	M.M. Microns		
570	5.60 mm	3	3.5
480	4.75 "	3.5	4
400	4.00 "	4	5
340	3.35 "	5	6
280	2.80 "	6	7
240	2.36 "	7	8
200	2.00 "	8	10
170	1.70 "	10	12
140	1.40 "	12	14
120	1.18 "	14	16
100	1.00 "	16	18
85	850 Micron	18	20
70	710 "	22	25
60	600 "	25	30
50	500 "	30	35
40	425 "	36	40
35	355 "	40 & 44	45
30	300 "	52	50
25	250 "	60	60
20	212 "	70 & 72	70
18	180 "	80 & 85	80
15	150 "	100	100
12	125 "	120	120
10	106 "	150	140
9	90 "	170	170
8	75 "	200	200
6	63 "	240 & 250	230
5	53 "	300	270
4	45 "	350	325
	38 "	400	-
	25 "	500	-
	20 "	600	-



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