

Electromagnetic Sieve Shaker



EMS-8

Features:

- Ideal for particle size analysis and separation.
- Utilizes a 3-directional sifting motion.
- Features both continuous and intermittent operation capabilities. The intermittent operation occurs at intervals of up to 0.5 seconds to help clear blocked apertures.
- Powered by a maintenance-free electromagnetic drive with no rotating parts to wear out.
- Acoustics designed for very low noise operation. Noise levels are strictly maintained at less than 61 dB without sieves and less than 71 dB with loaded sieves at maximum amplitude. It utilizes non-metallic springs and anti-vibration mountings to isolate vibrations and further reduce noise.
- Offers 15 programmable levels of amplitude.
- Suitable for both dry and wet sieving processes.
- Capable of handling a maximum sample weight of 5 kg.
- Suitable for testing materials with sieve apertures ranging from 28 μm to 4 mm. Associated sieves are manufactured from S.S. 316, designed without crevasses or lead, and feature laser marking for specifications and serial numbers.
- Features a specialized clamping device that ensures sieves are held firmly while allowing for quick removal and replacement.

Specifications:

Model	EMS-8
Dry sieving	Standard
Mode of operation	Continuous and intermittent
Intermittent operation	At intervals (0.5 sec)
Capacity	Up to 8 sieves of 200 mm dia x 50 mm h Up to 16 sieves of 100 mm dia x 25 mm h Suitable for sieves from 28 μm to 4mm
Shake time	Programmable from 1 min to 99 min
Power level	Programmable from 5 to 20
Display	16 x 2 character alphanumeric LCD
Noise level	Less than 61 dB without sieves at maximum amplitude Less than 71 dB with sieves and material at maximum amplitude
Power	220/230V AC, 50 Hz, 600 VA
Dimensions (W x L x H):	388 x 312 x 763 mm
Weight	50 kgs without sieves

Ordering Information:

Products		
Product code	Description	Quantity
0540100	EMS-8 (Body made of S.S.) -230V	1
0520100	EMS-8 (Body made of M.S.) -230V	1
0530100	EMS-8 (Body made of S.S.) -110V	1
0510100	EMS-8 (Body made of M.S.) -110V	1

Standard accessories		
Part number	Description	Quantity
0501A00001	Backlight Knob To Fit Locking Arm (Set Of 2)	1
0501A00065	Vertical Rod (Set Of 2)	1

Optional accessories		
Part number	Description	Quantity
0501A00190	EMS-8 Rubber Leg (Set of 4)	1
0501A00141	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 30 - 600 μm) Pharma Grade	1
0501A00070	EMS-8 Allenky Screw - 6 mm	1
0501A00127	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 325 - 45 μm) Food Grade	1
0501A00193	EMS-8 Amplitude Sticker	1
0501A00189	EMS-8 Rubber Pad (Set of 2)	1
0501A00191	EMS-8 Receiver For 200 mm Dia Test Sieves	1
0501A00188	EMS-8 S.S. Body	1
0501A00187	EMS-8 Test Sieves Of 100 mm Dia (28 μm) Pharma Grade	1
0501A00186	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 400 - 38 μm) Pharma Grade	1
0501A00185	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 325 - 45 μm) Pharma Grade	1
0501A00184	E.M.S. Test Sieves Of 100 mm Dia (ASTM No. 270 - 53 μm) Pharma Grade	1
0501A00183	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 230 - 63 μm) Pharma Grade	1
0501A00181	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 170 - 90 μm) Pharma Grade	1
0501A00180	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 140 - 106 μm) Pharma Grade	1
0501A00179	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 120 - 125 μm) Pharma Grade	1
0501A00178	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 100 - 150 μm) Pharma Grade	1
0501A00177	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 80 - 180 μm) Pharma Grade	1
0501A00176	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 70 - 212 μm) Pharma Grade	1
0501A00175	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 60 - 250 μm) Pharma Grade	1
0501A00174	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 50 - 300 μm) Pharma Grade	1
0501A00173	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 45 - 355 μm) Pharma Grade	1
0501A00172	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 40 - 425 μm) Pharma Grade	1
0501A00171	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 35 - 500 μm) Pharma Grade	1
0501A00170	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 30 - 600 μm) Pharma Grade	1
0501A00169	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 25 - 710 μm) Pharma Grade	1
0501A00168	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 20 - 850 μm) Pharma Grade	1
0501A00167	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 18 - 1.00 mm) Pharma Grade	1
0501A00166	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 16 - 1.18 mm) Pharma Grade	1
0501A00165	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 14 - 1.40 mm) Pharma Grade	1
0501A00164	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 12 - 1.70 mm) Pharma Grade	1
0501A00004	Lid & Receiver For 200 mm Dia Test Sieves	1

Electromagnetic Sieve Shaker

Optional accessories		
Part number	Description	Quantity
0501A00157	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 400 - 38 µm) Pharma Grade	1
0501A00156	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 325 - 45 µm) Pharma Grade	1
0501A00155	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 270 - 53 µm) Pharma Grade	1
0501A00154	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 230 - 63 µm) Pharma Grade	1
0501A00153	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 200 - 75 µm) Pharma Grade	1
0501A00152	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 170 - 90 µm) Pharma Grade	1
0501A00151	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 140 - 106 µm) Pharma Grade	1
0501A00150	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 120 - 125 µm) Pharma Grade	1
0501A00149	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 100 - 150 µm) Pharma Grade	1
0501A00148	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 80 - 180 µm) Pharma Grade	1
0501A00147	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 70 - 212 µm) Pharma Grade	1
0501A00146	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 60 - 250 µm) Pharma Grade	1
0501A00145	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 50 - 300 µm) Pharma Grade	1
0501A00144	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 45 - 355 µm) Pharma Grade	1
0501A00143	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 40 - 425 µm) Pharma Grade	1
0501A00142	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 35 - 500 µm) Pharma Grade	1
0501A00140	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 25 - 710 µm) Pharma Grade	1
0501A00139	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 20 - 850 µm) Pharma Grade	1
0501A00138	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 18 - 1.00 mm) Pharma Grade	1
0501A00137	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 16 - 1.18 mm) Pharma Grade	1
0501A00136	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 14 - 1.40 mm) Pharma Grade	1
0501A00135	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 12 - 1.70 mm) Pharma Grade	1
0501A00134	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 10 - 2.00 mm) Pharma Grade	1
0501A00133	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 8 - 2.36 mm) Pharma Grade	1
0501A00132	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 7 - 2.80 mm) Pharma Grade	1
0501A00128	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 400 - 38 µm) Food Grade	1
0501A00126	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 270 - 53 µm) Food Grade	1
0501A00125	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 230 - 63 µm) Food Grade	1
0501A00124	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 200 - 75 µm) Food Grade	1
0501A00123	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 170 - 90 µm) Food Grade	1
0501A00122	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 140 - 106 µm) Food Grade	1
0501A00121	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 120 - 125 µm) Food Grade	1
0501A00120	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 100 - 150 µm) Food Grade	1
0501A00119	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 80 - 180 µm) Food Grade	1
0501A00194	EMS-8/8 Plus Wet Sieve Attachment For 100 mm Dia	1
0501A00002	EMS-8/8 Plus Locking Arm (Horizontal) For 200mm Dia Test Sieves	1
0501A00067	EMS-8/8 Plus Lid For Seives	1
0501A00069	EMS-8/8 Plus Communication Cable	1
0501A00071	EMS-8/8 Plus Locking Arm (Horizontal) For 100 mm Dia Test Sieves	1
0501A00072	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 5 - 4.00 mm) Food Grade	1
0501A00073	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 6 - 3.35 mm) Food Grade	1
0501A00074	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 7 - 2.80 mm) Food Grade	1
0501A00075	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 8 - 2.36 mm) Food Grade	1
0501A00076	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 10 - 2.00 mm) Food Grade	1
0501A00077	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 12 - 1.70 mm) Food Grade	1
0501A00078	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 14 - 1.40 mm) Food Grade	1
0501A00079	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 16 - 1.18 mm) Food Grade	1
0501A00080	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 18 - 1.00 mm) Food Grade	1
0501A00081	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 20 - 850 µm) Food Grade	1
0501A00082	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 25 - 710 µm) Food Grade	1
0501A00083	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 30 - 600 µm) Food Grade	1
0501A00084	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 35 - 500 µm) Food Grade	1
0501A00085	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 40 - 425 µm) Food Grade	1
0501A00086	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 45 - 355 µm) Food Grade	1
0501A00087	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 50 - 300 µm) Food Grade	1
0501A00088	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 60 - 250 µm) Food Grade	1
0501A00089	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 70 - 212 µm) Food Grade	1
0501A00090	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 80 - 180 µm) Food Grade	1
0501A00091	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 100 - 150 µm) Food Grade	1
0501A00092	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 120 - 125 µm) Food Grade	1
0501A00093	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 140 - 106 µm) Food Grade	1
0501A00094	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 170 - 90 µm) Food Grade	1
0501A00095	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 200 - 75 µm) Food Grade	1
0501A00096	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 230 - 63 µm) Food Grade	1
0501A00097	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 270 - 53 µm) Food Grade	1
0501A00098	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 325 - 45 µm) Food Grade	1
0501A00099	EMS-8 Test Sieves Of 200 mm Dia (ASTM No. 400 - 38 µm) Food Grade	1
0501A00100	EMS-8 Test Sieves Of 200 mm Dia (Micron 28 Um) Food Grade	1
0501A00101	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 5 - 4.00 mm) Food Grade	1
0501A00102	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 6 - 3.35 mm) Food Grade	1
0501A00104	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 8 - 2.36 mm) Food Grade	1
0501A00104	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 8 - 2.36 mm) Food Grade	1
0501A00105	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 10 - 2.00 mm) Food Grade	1
0501A00106	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 12 - 1.70 mm) Food Grade	1
0501A00107	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 14 - 1.40 mm) Food Grade	1
0501A00108	EMS-8 Test Sieves Of 100 mm Dia (ASTM No. 16 - 1.18 mm) Food Grade	1

Breakdown Parts		
Part number	Description	Quantity
0502B00016	EMS-8 Processor Program Patch (060605)	1
0502B00013	EMS-8 Vibration Sensor	1
0502B00012	EMS-8 Fan PCB	1
0502B00011	EMS-8 Processor Card	1
0501B00019	EMS-8 Metal Resistor 600E/100W	1
0501B00016	EMS-8 - 4Pin Relimate Cable (Display Card To RS232 Card)	1
0501B00011	EMS-8 Casting Pillar (Set of 4)	1
0502B00014	EMS-8 Driver Card For 110V	1
0501B00007	EMS-8 Coil 110V	1
0501B00012	EMS-8 RS-232 Communication Card	1
0501B00006	EMS-8 Front Panel with Keypad	1
0501B00004	EMS-8 LCD Display	1
0501B00008	EMS-8 Acrylic Plate (Set of 3)	1
0501B00001	EMS-8 Power Supply Socket with Filter	1
0501B00017	EMS-8 Base Cover with Front Panel (SS)	1
0501B00015	EMS-8 - 4 Pin Relimate Cable (Display Card To Driver Card)	1
0501B00014	EMS-8 Mains Cord 5 Amp	1
0501B00010	EMS-8 Base Plate	1
0501B00009	EMS-8 Power Supply On/Off Switch	1
0502B00006	EMS-8 Front Panel with Keypad	1
0501B00005	EMS-8 Display Card	1
0501B00003	EMS-8 Driver Card	1
0501B00002	EMS-8 Transformer 230V	1
0501B00018	EMS-8 Platinum Kit	1

Upgradation		
Part number	Description	Quantity
0501S13	Upgradation for Electromagnetic Sieve Shaker Model EMS-8	1

Service		
Part number	Description	Quantity
0501S05	Service Charges for Electromagnetic Sieve Shaker Model EMS-8	1

Re-calibration for test sieve		
Part number	Description	Quantity
0800CS09	Re-calibration Charges for Test Sieves - Electrolab Make	1
0806CS09	Re-calibration Charges for Test Sieves with ISO Cetification - Electrolab Make	1

Inspection visit		
Part number	Description	Quantity
0501S04	Inspection Charges for Electromagnetic Sieve Shaker Model EMS-8	1
0501S06	Inspection & Service Charges for Electromagnetic Sieve Shaker Model EMS-8	1

IQ/OQ Document		
Part number	Description	Quantity
0501S15	IQ/OQ Document for Electromagnetic Sieve Shaker Model EMS-8	1
1580S15	IQ/OQ Document for Kloudface for EMS-8 Interface Model EKF-26	1

Data Integrity Solution		
Part number	Description	Quantity
1542800	Kloudface for EMS-8 Interface Model EKF-26	1

Assurance Plan		
Part number	Description	Quantity
0501S03	Silver Assurance Plan for Electromagnetic Sieve Shaker Model EMS-8	1
0501S01	Platinum Assurance Plan for Electromagnetic Sieve Shaker Model EMS-8	1
0501S02	Gold Assurance Plan for Electromagnetic Sieve Shaker Model EMS-8	1
0501S20	Bronze Assurance Plan for Electromagnetic Sieve Shaker Model EMS-8	1

Reinstallation		
Part number	Description	Quantity
0501S15	Reinstallation Charges without IQ/OQ Document for Electromagnetic Sieve Shaker Model EMS-8	1
1580S15	Reinstallation Charges with IQ/OQ Document for Electromagnetic Sieve Shaker Model EMS-8	1

*The information contained in this document is believed to be correct but ELECTROLAB accepts no liability for any errors and reserves the right to alter specifications without notice.