

Vibratory Sieve Shakers at a Glance

Vibratory Sieve Shakers						
						
Model	AS 200 basic	AS 200 digit cA	AS 200 control	AS 300 control	AS 450 basic	AS 450 control

Applications	separation, fractioning, particle size determination
Feed material	powders, bulk materials, suspensions

Performance data

Measuring range*	20 µm – 25 mm	20 µm – 25 mm	20 µm – 25 mm	20 µm – 40 mm	25 µm – 125 mm	25 µm – 125 mm
Max. batch / feed capacity*	3 kg	3 kg	3 kg	6 kg	15 kg	25 kg
Max. number of fractions**	9/17	9/17	11/23	9/17	12/8	13/9 (min. 3)
Max. mass of sieve stack	4 kg	4 kg	6 kg	10 kg	50 kg	50 kg
Adjustment of sieving parameters						
Amplitude	digital 1–100 % (~3 mm)	digital 0.2–3 mm	digital 0.2–3 mm	digital 0.2–>2.2 mm	digital 0–>2 mm	digital 0.2–>2.2 mm
Sieve acceleration***	–	–	1.0–>15.1 g	1.0–>10.0 g	–	1.0–>11.0 g
Time	digital 1–99 min	digital 1–99 min	digital 1–99 min	digital 1–99 min	digital 1–99.9 min	digital 1–99 min
Interval operation	–	10 s (fixed)	1–99 s	1–99 s	10 s (fixed)	10–99 s
Storable Standard Operating Procedures (SOPs)	–	–	99	99	1	9
Sieving motion	throwing motion with angular momentum					
Suitable for wet sieving	✓	✓	✓	✓	✓	✓
Serial interface	–	–	✓	✓	–	✓
Including test certificate / calibration possible	–	–	✓	✓	–	✓

Technical data

Suitable sieve diameters	100 mm – 203 mm		100 mm – 315 mm	400 mm – 450 mm	
Height of sieve stack	up to 510 mm		up to 620 mm	up to 510 mm	up to 963 mm
W x H x D	417 x 212 x 384 mm		417 x 222 x 384 mm	680 x 280 x 680 mm	714 x 435 x 658 mm
Net weight	approx. 35 kg		approx. 42 kg	approx. 140 kg	approx. 200 kg
More information on	www.retsch.com/as200	www.retsch.com/as200	www.retsch.com/as200	www.retsch.com/as300	www.retsch.com/as450

*depending on feed material and used sieve set **depending on sieve height and clamping unit ***($1\text{ g} = 9.81\text{ m/s}^2$)

Typical Sample Materials

Vibratory sieve shakers are used for particle size analysis of products such as construction and filling materials, soil, chemicals, sand, coffee, coal, fertilizers, flour, metal powders, minerals, seeds, washing powder, cement clinker and many more.

