

Sieve Shakers, RETSCH

Typ AS 200 basic / AS 200 digit cA / AS 200 control / AS 300 control / AS 450 basic / AS 450 control

Application:

RETSCH analytical sieve shakers are used in research & development, quality control of raw materials, interim and finished products as well as in production monitoring.

Features:

- Throwing motion with angular momentum
- For wet and dry sieving
- Short sieving times
- Low-noise, maintenance-free

AS 200 basic:

Basic model with membrane keypad, digital indication of performance and time

AS 200 digit cA:

Added features model with membrane keypad, digital indication of controlled amplitude and time, interval sieving

AS 200 control:

like AS 200 digit cA but with freely selectable intervals. Up to 99 programs can be stored. The AS 200 control is calibratable and allows for 100% reproducibility of sieving results all over the world, also when comparing different machines. With integrated USB interface for the evaluation software EasySieve®. Like the other control units, the AS 200 control meets the requirements for test equipment monitoring pursuant to ISO 9000 ff.

AS 300 control:

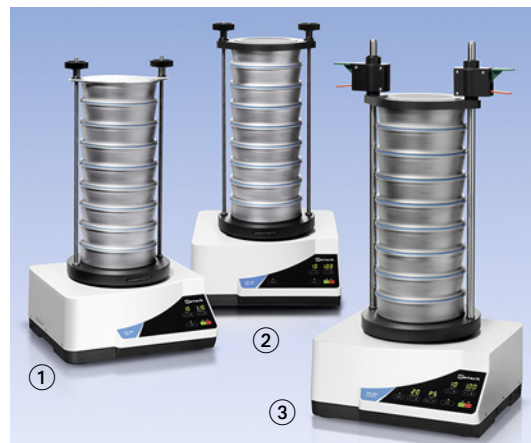
like AS 200 control; also suitable for sieves up to 315 mm diameter and for higher loads.

AS 450 basic:

Basic model, 9 power levels, digital time indication, interval sieving

AS 450 control:

like AS 200 control; also suitable for sieves up to 400 mm and 450 mm diameter. The optimized electromagnetic drive of the AS 450 in combination with the patented CET technology enable amplitudes of up to 2.2 mm, even with high loads of max. 25 kg sieving material. This eliminates the need for time-consuming re-sieving.



Article	Voltage	Order No.
① AS 200 basic	230 V, 50 Hz	10 29 23030
② AS 200 digit cA	100 – 240 V, 50/60 Hz	10 29 23031
③ AS 200 control	100 – 240 V, 50/60 Hz	10 29 23032
AS 300 control	100 – 240 V, 50/60 Hz	10 29 23033
AS 450 basic	230 V, 50 Hz	10 29 23029
④ AS 450 control	230 V, 50/60 Hz	10 29 20450

Sieves, collecting pans and clamping device have to be ordered separately.

Technical data:

	AS 200 basic	AS 200 digit cA	AS 200 control	AS 300 control	AS 450 basic	AS 450 control
Measuring range:	20 µm – 25 mm	20 µm – 25 mm	20 µm – 25 mm	20 µm – 25 mm	20 µm – 25 mm	20 µm – 25 mm
Dry/Wet measurement:	yes / yes	yes / yes	yes / yes	yes / yes	yes / yes	yes / yes
Max. batch/ feed capacity:	3 kg	3 kg	3 kg	6 kg	15 kg	25 kg
Max. number of fractions (depending on sieve size)	9 / 17	9 / 17	11 / 23	9 / 17	12 / 8	13 / 9
Max. mass of sieve stack:	4 kg	4 kg	6 kg	10 kg	50 kg	50 kg
Setting of amplitude:	analog	analog	digital	digital	digital	digital
Adjustment range of amplitude:	1 – 100 %	0.2 – 3 mm	0.2 – 3 mm	0.2 – 2.2 mm	0 – >2 mm	0.2 – 2.2 mm
Sieve acceleration:	–	–	1.0 – 15.1 g	1.0 – >10 g	–	1 – >11 g
1 g = 9.81 m/s ²						
Time display (min):	digital 1 – 99	digital 1 – 99	digital 1 – 99	digital 1 – 99	digital 1 – 99	digital 1 – 99
Interval operation:	–	10 s fix	yes	yes	10 s fix	yes
Programs:	–	–	up to 99	up to 99	1	up to 9
Incl. Test certificate/ can be calibrated:	–	–	yes	yes	–	yes
Serial USB interface:	–	–	yes	yes	–	yes
Sieving motion	Throwing motion with angular momentum	Throwing motion with angular momentum	Throwing motion with angular momentum	Throwing motion with angular momentum	Throwing motion with angular momentum	Throwing motion with angular momentum
Suitable sieve sizes (mm):	100 / 150 / 200 / 203	100 / 150 / 200 / 203	100 / 150 / 200 / 203	100 / 150 / 200 / 203 / 305 / 315	400 / 450	400 / 450
Height of sieve stack:	up to 510 mm	up to 510 mm	up to 620 mm	up to 510 mm	up to approx. 830 mm	up to approx. 963 mm
Size (W×H×D mm):	417×212×384	417×212×384	417×212×384	417×222×384	680×280×680	714×435×658
Weight:	approx. 35 kg	approx. 35 kg	approx. 35 kg	approx. 42 kg	approx. 140 kg	approx. 200 kg



Clamping devices AS 200

Article	Order No.
Clamping device "economy" for test sieves Ø 100/150/200/203 mm	10 29 26203
Clamping device „standard“ for test sieves Ø 200/203 mm	10 29 26202
Clamping device „comfort“ for test sieves Ø 200/203 mm	10 29 26201
Universal clamping device „standard“ for test sieves Ø 100/150/200/203 mm	10 29 26205
Universal clamping device „comfort“ for test sieves Ø 100/150/200/203 mm	10 29 26204
Universal wet sieving clamping device „standard“ for test sieves Ø 100/150/200/203 mm	10 29 26207

Clamping devices AS 300

Article	Order No.
Clamping device „standard“ for test sieves Ø 305 mm	10 29 26208
Clamping device „comfort“ for test sieves Ø 305 mm	10 29 26209
Wet sieving clamping device „standard“ for test sieves Ø 305 mm	10 29 26212
Wet sieving clamping device „comfort“ for test sieves Ø 305 mm	10 29 26214

Clamping devices AS 450 basic

Article	Order No.
Clamping device „standard“ for test sieves Ø 400/450 mm	10 29 26220
Wet sieving clamping device „standard“ for test sieves Ø 400/450 mm	10 29 26233

Clamping devices AS 450 control

Article	Order No.
Clamping device „standard“ for test sieves Ø 400/450 mm	10 29 26215
Clamping device „comfort“ for test sieves Ø 400/450 mm	10 29 26216
Wet sieving clamping device „standard“ for test sieves Ø 400/450 mm	10 29 26217
Wet sieving clamping device „comfort“ for test sieves Ø 400/450 mm	10 29 26218

IQ/OQ documents on request

