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Retsch as 200 control manual

The expert guide, sieve_en56 provides Retsch GmbH Function & Features Downloads Order Data Request a quote RetschProductsSieving Sieve Shakers AS 200 control The analytical sieve shakers of the series AS 200 are used in research & development, quality control of raw materials, interim and finished products as well as in production monitoring. The controllable electromagnetic drive offers an optimal adaptation for every product. Sharp fractions are obtained even after very short sieving times. With its all-digital controls, up to 99 sieving programs and calibration certificate the sieve shaker AS 200 control is indispensable for all users who attach importance to precision and operational convenience and need to comply with the guidelines of the ISO 9001. The AS 200 control can be calibrated to ensure 100% reproducibility of sieving results, not only in one device, but among all AS 200 control units! Accordingly, this model is perfectly suited to check particle size distributions for quality control, for example between suppliers and customers. Vibratory Sieve Shaker AS 200 control Reviews from our customers "The software and machine is easy to use. You can put the sieves in the dishwasher." M. BeckerHaribo Produktions GmbH "We use a vibratory sieve shaker in a glove box, for this reason, it is very important for us to have precise and trustworthy equipment." Daniel KerschkeHeraeus Precious Metals GmbH "The AS 200 control is very easy to use. It has been working reliably since we received it. The service and support from Retsch, Diane Modhoff, Portland Ltd. "These sieve shakers last long and require little maintenance. We use them daily and have several that are over 10 years old!" Heidi BartelMicrovision "Retsch devices are reliable, they contribute to obtaining excellent results that are accurate and precise (excellent repeatability)." Tamara DjordjevicProLab "We have been using a Retsch AS200 Sieve Shaker for 20+ years. The instrument is reliable and easy to use. We got it calibrated yearly and never have any discrepancies for the instrument being out of specification." Tiffany BrennerPGT Trustee reviews provided by Accuracy & Efficiency Suitable for dry and wet sievingExcellent separation efficiency even with short sieving timesEfficient electromagnetic drive3-throwing motion which ensures optimum use of the open sieve area and lets the sample move equally over the whole sieving surfaceSetting of sieve acceleration "g" for comparable and reproducible sieving results worldwideFree digital adjustment of all process parameters (time, amplitude or sieve acceleration, interval) Vibratory Sieve Shaker AS 200 control Safe and Simple Operation Operation of the AS 200 control is convenient and easy. All sieving parameters - vibration height, time, interval - are set, displayed and monitored digitally.



Up to 99 parameter combinations (SOPs) can be stored for routine analyses. Through the integrated interface the instrument can be connected to a PC and controlled with the evaluation software EasySieve®. This program enables the user to control the whole sieving process and the subsequent documentation with convenience and accuracy. Vibratory Sieve Shaker AS 200 control Wet sieving with Vibratory Sieve Shakers There are many applications for which wet sieving is the best solution, e.g. when the material to be tested is a suspension or when a very fine sample ($< 45 \mu\text{m}$) that tends to agglomerate needs to be sieved.

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A vibratory sieve shakers from RETSCH can be used for wet sieving. There are special accessories like clamping lids with spray nozzle and collecting pans with outlet available. By placing RETSCH's venting rings between the sieves, air cushions can expand without letting liquid or sample material escape. Vibratory Sieve Shaker AS 200 control Accessories & Options The sieve shakers of the control series can be equipped with a variety of accessories to provide for a wealth of application requirements. With the RETSCH clamping devices the sieves are clamped safely, quickly and conveniently on the sieve shaker. The clamping devices "comfort" are particularly user-friendly and timesaving. Accessories for test sieves Collecting pans, intermediate pans, intermediate rings and sieve lids. Accessories for wet sieving Clamping lid with nozzle, collecting pans with outlet, venting rings. Chain rings, brushes, cubes, balls (e.g. for reducing agglomerations when sieving particles < 100 µm and keeping the mesh free). We provide IQ/OQ documentation for the "control" sieve shakers to support IQ/OQ certification by our customers. Meaningful results can only be obtained if the sample represents the original material. Sample dividers produce representative part samples, thus ensuring reproducibility of the analysis. Ultrasonic baths and dryers Suitable for thorough cleaning of test sieves and for quick, gentle drying of samples and sieves. EasySieve / EasySieve CFR Evaluation Software EasySieve, the software for particle size analyses, exceeds manual evaluation in many aspects. The software is able to automatically control the necessary measurement and weighing procedures - from the registration of the weight of the sieve up to the evaluation of the data. It is simple and convenient to use and is also available in an FDA 21 CFR Part 11 compliant version. Vibratory Sieve Shaker AS 200 control Typical Sample Materials Vibratory sieve shakers are frequently used for grain size analysis of cement clinker, chemicals, coffee, construction materials, fertilizers, fillers, flours, grains, metals powders, minerals, nuts, plastics, sand, seeds, soils, washing powder, etc.



To find the best solution for your sample preparation task, visit our application database. Applications separation, fractionation, particle size determination/Field of application agriculture, biology, chemistry / plastics, construction materials, engineering / electronics, environment / recycling, food / metallurgy, glass / ceramics, medicine / pharmaceuticals Feed material products, bulk materials, suspensions Measuring range 200 μ m - 25 mm Sieving motion throwing motion with angular momentum Max. batch / feed capacity 3 kg Max. number of fractions 11 / 22 Max. mass of sieve stack 6 kg Amplitude digital, 0.2 - 3 mm Controlled amplitude Eyes Sieve acceleration 1.0 - 15.1 g Time display digital, 1 - 99 min Interval operation 1 - 99 s Storage 50 PPS 99 Suitable for dry sieving Suitable for wet sieving US interfaces including test certificate / can be calibrated Sieve size diameters 100 μ m / 200 μ m / 203 μ m (8") Max. height of sieve stack 620 mm Clamping device standard, "comfort", each for wet and dry sieving Protection code P12 Electrical supply data 100-240 V, 50/60 Hz Power connection 1-phase W x H x D 417 x 212 x 384 mm Net weight ~ 35 kg Standards CE depending on feed material and instrument configuration/settings Vibratory Sieve Shaker AS 200 control Functional Principle All sieve shakers of the series AS 200 work with an electromagnetic drive that is patented by RETSCH (EP 0642844). This drive produces a 3D throwing motion that moves the product to be sieved equally over the whole sieving surface. The advantage: high stress capacity, extremely smooth operation and short sieving times with high separation efficiency. Content may be subject to modifications or corrections Advanced Web YouTube LinkedIn part of Verder Scientific