

MEP Instruments Media Release

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AS200 - Control Analytical sieve shaker



RETSCH analytical shakers are used in research & development, quality control of raw materials, intermediate products and end products, and in production control. The AS 200 series enables every user to select a suitable device according to his individual requirements, profile and budget.

The AS 200 control meets the highest standards in quality assurance and offers a microprocessor-controlled measuring and control system, patented and unique throughout the world, for constant vibration. It can be calibrated, and ensures for the first time 100% reproducibility of sieving results, and not only for one device, but all AS 200 control units one to another. This provides the prerequisite for monitoring inspection, measuring and test equipment according to ISO 9000. AS 200 control also meets all requirements for a modern laboratory in terms of ergonomics.

All sieving parameters vibration height, time, interval are set, displayed and monitored digitally. In place of the amplitude, the sieve plate acceleration "g", which is dependent of the mains frequency, can also be set. With its integrated interface, the unit can be connected to a PC and driven through the evaluation software Graintest/Sievetest. All sieving parameters are then set and selected on the VDU, changes even being displayed during the sieving operation. With the evaluation program Graintest/Sievetest it is thus

possible to monitor the entire sieving process and the subsequent documentation: simply, conveniently and without error. The AS 200 control is therefore indispensable for anyone who appreciates precision and user-friendliness and works according to the directives of GLP.

RETSCH sieving technology stands alone. All AS 200 series sieving machines work precisely in tune with the mains power supply frequency: exactly 3,000 oscillations per minute at 50 Hz (60 Hz/3,600). That means that whatever the sieving time the right number of sieve mesh strokes irrespective of the number of sieves will always be repeated exactly an absolute prerequisite for reproducible results, which is not the case for frequency-driven machines. Amplitude is infinitely adjustable from 0.2 to 3 mm, is digitally displayed and is electronically monitored, performing automatic adjustments, and, if necessary. All sieving machines work on an electromagnetic drive principle that has been patented by RETSCH. This drive assures a three-dimensional throw movement that distributes the sieving material evenly over the entire surface of the sieve. The advantages of this are high endurance, extremely quiet operation and short sieving times with clean separation.

MEP Instruments is sole distributor of leading names in sample analysis technology in Australia and New Zealand. The joint venture company formed by Metrohm Switzerland and Anton Paar Austria provides comprehensive service, support and training for the whole product line of Metrohm, Anton Paar, Autolab, Camag, Ismatec, Physica and Retsch in Australia and New Zealand. Contact MEP in Australia: MEP Instruments Pty Ltd (Australia) Unit 5, 112-118 Talavera Rd, North Ryde, NSW 2113 Tel 02 9878 6900 Fax 02 9878 6999 info@mep-instruments.com.au; or in New Zealand: New Zealand Brooke House, 24 Balfour Road, Parnell, Auckland Tel (+64) 09 366 1236 Fax (+64) 09 366 1235 Email info@mep-instruments.co.nz.
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