

Gyratory compactor

Standards UNE EN 12697-10, 12697-31

Gyratory compactor

The gyratory compactor is manufactured in a high strength, sturdy steel frame

The loads are applied by a pneumatic cylinder controlled by a high precision pressure regulator. Height is measured by a linear displacement transducer. The rotating movement is generated precisely with an eccentricity having an angle of rotation of 0.082 °C

The compactor is small but can be used to test all emulsion types. Speed is controlled by a computer which also controls the inverter

The test software allows the user to choose from several test methods with different density objectives or a specific number of rotations. The software gives the instruction to apply the load and rotation begins. The number of rotations, compaction depth and density are all displayed on the screen. At the end, the software retracts the load and stops the rotation. A high speed USB port connects the compactor and the computer.

The system includes National Instruments software, data collection card and equipment control.

The B0122/11 software requires a computer with Windows XP. The computer is not included and can be ordered separately.

Technical characteristics:

Voltage: 230 AC/13A-115 V, 50-60Hz 32 A (also available)

Dimensions: 500 x 800 x 2000 mm

Work space needed: 750 x 1700 x 2000 mm

Weight: 350 kg

Requires a compressor that can reach and maintain a pressure of 7 bar (150mm specimens)

Accessories:

B0122/1 Hardened cylindrical mould and plate measuring 100 mm

B0122/2 Hardened cylindrical mould and plate measuring 150 mm

B0122/3 Hardened cylindrical mould and plate measuring Ø 100 mm, with holes for emulsions

B0122/4 Hardened cylindrical mould and plate measuring Ø 150 mm, with holes for emulsions

B0122/5 Filter paper of 100 mm (pack 100 units)

B0122/6 Filter paper of 100 mm (pack 150 units)

B0122/7 Pneumatic sample remover.

B0122/8 Angle calibration equipment.

B0122/9 Load calibration equipment.

B0122/10 Air compressor low noise (filter included)

230V 50Hz

B0122/11 Test management and control software

