



IF IT'S WORTH BUILDING, IT'S WORTH TESTING

This wishlist was generated on 09/08/2016, and contains the following Products:

45-6750/01

Gyratory Compactor to EN 12697-31, 10, ASTM D6925, SHRP M-002, AASHTO T312, inc. PC 220-240V 50Hz

450-008

Water Level Indicator with Audio and Light Indicator 30 m

42-4300

150mm Aggregate Crushing Value Apparatus. Supplied Complete with Metal Measure and Tamping Rod.

77-0470

Rock Classification Hammer

520-200

Tube Water Sampler.

510-146

24 Sample Rings 50mm Dia In Aluminium Case.

530-178

Hammering Head 50mm.



Gyratory Compactor to EN 12697-31, 10, ASTM D6925, SHRP M-002, AASHTO T312, inc. PC 220-240V 50Hz

Code: 45-6750/01

Product Group: [Gyratory Compaction](#)

One of the best methods of laboratory compaction is considered to be Gyratory for not only the material's assessment of compactibility, but also the production of test samples. The method achieves this by the application of a vertical stress, typically 600 kPa via platens to a mass of asphaltic mixture inside a 100 or 150mm diameter mould. Whilst platens are kept parallel and horizontal, the longitudinal axis of the mould is gyrated at a fixed angle to the vertical axis.

During the test process, the height of the specimen is measured automatically and the mixture density and void content are calculated.

Compaction data is displayed in real time (graphical and tabular) and is available for download to MS Excel(tm) The operator has the ability to choose whether to compact for a certain number of gyrations or until a target mixture density or void content is achieved.

Further Information

Features:

- Full compliance to EN 12697 part 10 and 31
- Configurable to comply with SHRP Superpave
- Both 150mm and 100mm moulds can be tested without any modification
- Automatic mould insertion and retraction
- Cold mix (emulsion) materials can be compacted, with fluid collection facility
- Data acquisition and control via host desktop PC
- Export compaction data to MS Excel(tm)
- UKAS traceable factory calibration
- Can accept moulds up to 300mm in height

Product Specification:

- High stability steel frame with low flex and distortion
- A 95mm pneumatic cylinder
- Safety gates with interlock
- Specimen table
- Accurate stress control via high precision regulator
- High quality inverter for accurate speed control
- Specimen height measurement via linear potentiometer
- Highly durable wheels for ease of movement
- 16bit control and data acquisition
- PC included

Software:

- User-friendly, intuitive and reliable Windows(tm) software
- 2 methods of compaction - no. of gyrations and target density
- User guided step-by-step through compaction
- Real-time display of current height, density and void content
- Software communicates with the gyratory compactor via USB interface
- Utilities are included for transducer check, diagnostic routines and calibration

Specification

Stress	600 kPa nominal, 1000 kPa Max
Mixture types	Wet and Dry
Machine speed	30 rpm
Angle of gyration	0.2 to >2°
Electrical supply	220-240 V 50Hz (16 amp)
Sample sizes	100 and 150 mm dia
Compressed air supply	7-10 bar, 350 L p/m
Dimensions (WxHxL)	790 x 995 x 1920



Water Level Indicator with Audio and Light Indicator 30 m

Code: [450-008](#)

Product Group: [Water level indicators](#)

Fitted with 30m Tape

Further Information

Graduated Every 10 mm.



150mm Aggregate Crushing Value Apparatus. Supplied Complete with Metal Measure and Tamping Rod.

Code: 42-4300

Product Group: [Aggregate Crushing Value \(ACV\) and Ten Percent Fines Value \(TFV\)](#)

Comprising of 150 mm nominal diameter steel cylinder, plunger and base plate supplied complete with metal measure and tamping rod.

Standards

BS 812-112

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Rock Classification Hammer

Code: 77-0470

Product Group: Rock Classification Hammer

Specification

Plunger

Applies pressure for hammer rebound.

Body

Aluminum; with indicator scale.

Rubbing Stone

Prepares test surface.

Accuracy

Within 15 %.

Weight

Net 3 lbs. (1.4 kg).



Tube Water Sampler.

Code: [520-200](#)

Product Group: [Water samplers](#)

To collect up to 250 ml complete with stainless steel measuring tape with grip and eye (20 metres).



24 Sample Rings 50mm Dia In Aluminium Case.

Code: [510-146](#)

Product Group: [Density, Augers](#)

In an aluminium case, 50 mm inside diameter, 53 mm outside diameter, 51 mm long. Includes 48 plastic end covers.



Hammering Head 50mm.

Code: [530-178](#)

Product Group: [Density](#)

For sample rings 53 mm.