

## AUTOMATIC SOIL COMPACTOR

STANDARDS: ASTM D558, D559, D560, D698, D1557, D1883, EN 13286 2, 13286-47, BS 1377:4, AASHTO T99, T134, T135, T136, T180, T193, NLT 107/98, 108/91, 111/87; TS 1900-1

Automatic Soil Compactor is designed to compact Standard / Modified and CBR specimens, it ensures an extremely uniform compaction degree, granting reliable and repeatable test results.

The compactor is easy to use, friendly menu driven, of simple and practical maintenance.

Compactor is equipped with programmable digital counter which allows machine to stop at the preset numbers of blows. The height and weight of the rammer is adjustable to suit test requirements. Top quality components and high accuracy mechanical workings grant very long life also under intensive utilizations.

HR-S6800



The original lift system of the rammer can be selected at 300 mm, 305 mm, 450 mm or 457 mm, granting a correct and constant fall height.

According to the standard used, rammer heads with a diameter of 50 mm or 50.8 mm can be attached to the circular rammer. (The rammer head diameters to be used must be specified at the time of order).

This automatic blow pattern ensures effective and equal compaction for each layer of soil by rotating the base table, so the mould, in equal steps and travelling the rammer across the mould.

The table rotates the mould in equal steps and the number of blows per layer can be set at the beginning of the test by the digital counter. User defined blow number and in-out distribution is also available.

Start button, Stop button and Emergency stop button are located beside the blow counter.

The rammer is circular faced. Rammer weight is adjustable to 2.5 kg or 4.5 kg according to reference standard. When compacting specimens in Standard Proctor moulds, the unit operates on a single radius and when compacting specimens in Modified Proctor or CBR moulds, the unit operates on inner and outer radius to obtain even compaction.

Mould selection, number of blows, count of the number of inner and outer drops can be selected as user defined, as well as 4 different programs defined in accordance with the standards from the digital screen mounted on the side of the device.

Noise Reduction Cabinet is available as optional and should be ordered separately.

### Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)	Power Supply
HR-S6800	Automatic Soil Compactor	65x55x155	125	220 V, 50 Hz, 1 ph
HR-S6800/60Hz	Automatic Soil Compactor	65x55x155	125	220 V, 60 Hz, 1 ph

Standard	Drop Height (mm)
BS	Adjustable to 300 mm or 450 mm
ASTM / AASHTO / TS EN / TS	Adjustable to 305 mm or 457 mm

HR-S6800  
&  
HR-S6800/4



### Spare Parts & Accessories:

Product Code	Product Name	Circular Faced (mm)	Dimensions (mm)	Weight (kg)
HR-S6800/1	Rammer Face, TS EN/BS/TS	Ø50	Ø50x300	Adjustable to 2.5 kg or 4.54 kg
HR-S6800/2	Rammer Face, ASTM/AASHTO	Ø50,8	Ø50,8x300	Adjustable to 2.5 kg or 4.54 kg
HR-S6800/3	Rammer, ASTM/AASHTO/TS EN/BS/TS	---	---	---
HR-S6800/4	Noise Reduction Cabinet	---	---	---