Product name:	Product code:
Marshall Stability Test Apparatus (Digital)	Bitumen0021



Description

Marshall Stability Test Apparatus (Digital)

Technical specification

4”dia X 3” height specimen moulds, base plates and Extension collar. Manufactured from steel.(6“ dia mould can be supplied at extra cost)

Compaction Pedestal

Comprising of a hard wood block with a steel plate, complete with specimen holder, semi circular base and a circular top to hold 4” dia specimen mould in place during compaction of the specimen. (Pedestal to accommodate 6” dia specimen can be supplied at extra cost)

Compaction Hammer (2 Nos.)

Designed for use with the compaction pedestal and mould. The hammer has a falling weight of 4.535 kg and free fall of 457 mm.

Breaking Head Assembly

Consisting of upper and lower cylindrical segments with provision for fixing flow meter. Suitable to take 4” dia specimens. (Assembly to accommodate 6” dia specimen can be supplied at extra cost)

Specimen Extractor

Consisting of a load transfer bar, pressure plate and steel ball

Marshall Stability Test Apparatus (Digital) from Civil Mechanical Laboratory India

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Civil Laboratory Equipment Manufacturers and Suppliers India Civil Lab Exports India
Email us at: export@civilmechanicalindia.com

Used for the measurement of resistance to plastic flow of cylindrical specimens of bituminous paving mixtures when tested in a marshal load frame. Test specimens are produced and tested at a speed of 50.8mm/min. Marshall Stability Test Apparatus (Digital) from Civil Mechanical Laboratory Equipment Manufacturers India Civil Lab Exports load(stability) and deformation(flow) of the specimen are recorded. Generally the test is applicable to hot mix designs using bitumen and aggregate of maximum size of 25mm. Widely used for designing and evaluating bituminous paving mixes.

Load Frame

A floor standing compression loading frame of 50 KN capacity with motor and worm gear housed within the base unit, producing a platen speed of 50.8mm/min. Limit switches are provided to cut out the platen over run on the downward travel. A handle is provided for manual operation during calibration etc. The load frame is fitted with ON/OFF/Reversing switch and power indicator lamp in front. Suitable to work on 230V, 50 Hz, AC single phase. .

Marshal Moulds (3 Nos.)