

A HOUSE OF MATERIAL TESTING EQUIPMENTS

Testing instrument for:

SOIL, CEMENT, CONCRETE, BITUMEN, AGGREGATE, PAINT &
GENERAL LABORATORY UTILITY

BEST QUALITY
BEST PERFORMANCE

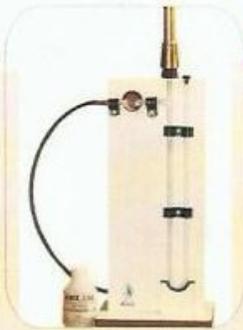


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CEMENT / CONCRETE MACHINE



KE Blaine App.

The apparatus is used for determining the fineness of cement in terms of specific surface expressed as total surface area in square centimeters for gram of cement. This is a variable flow type air permeameter.



KE Aggregate Impact

The instrument consists circular base with two vertical guides. The hammer of weight $13.75 \pm 0.25\text{kg}$ can be raised to fall freely down the vertical guides. The height of fall can be adjusted through $380 \pm 5\text{mm}$. The hammer is provided with a locking arrangement. The hammer falls freely to the base and is a removable assembly. The complete set is supplied with metal measures 75mm dia into 50mm high.



KE Flow Table

The flow table consists of a 30cm. dia ground and polished steel plate with three inscribed annular circles. 7, 11 and 19cm. dia. The table top is arranged for a free fall of 12.5mm by a cam action supplied complete with one brass conical mould 65mm I.D. at base and 40mm I.D. at top height of the mould 90mm.



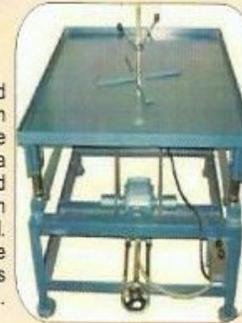
KE Compaction Factor App.

The Apparatus is used for determining the workability of fresh concrete provided the maximum size of aggregate does not exceed 38mm. The test of particular use is for concrete mixes of very low workability where true slump values are not reliable.



KE Autoclave

The autoclave is suitable for conducting accelerated soundness tests on cement of the autoclave expansion test requiring constant steam pressure with the corresponding constant pressure. It consists of a stainless steel cylinder with welded heat insulated cover, mounted on a sturdy supporting frame enclosed in a heat insulated metal housing attractively finished. The attached control unit encloses a sensitive pressure regulator and pressure gauge, power switches, pilot lights for controlling the electric heating unit.



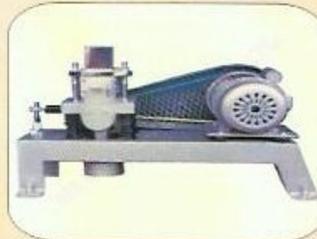
KE Vibrating Table

The Apparatus is used for determining the workability of fresh concrete provided the maximum size of aggregate does not exceed 38mm. The test of particular use is for concrete mixes of very low workability where true slump values are not reliable.



KE Tensile Testing

Tensile testing machine Suitable for conducting tensile test on materials aluminum, rubber, plastic, leather, asbestos, PVC etc.



KE Vibrating Machine

The machine consists of a vibrating frame assembly and an electric motor mounted on a sturdy base.

The complete frame assembly consists of a vice to hold a 7.06cm cube mould and two studs threaded at top and hopper to feed the sample in the mould.



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SOIL TESTING MACHINE



KE Consolidation App.

Consists of three consolidation test assemblies mounted on a single frame. Completed weight three sets of consolidometer cell assembly for 60mm dia samples and three sets of weights each given 10 kg per sq.cm. on each sample



KE Direct Shear App.

The apparatus is electrically operated to give the following 6 rates or strain 1.25, 0.25, 0.05, 0.01 0.002 & 0.004 mm/min. The apparatus is suitable for operation on 230 volts single phase A.C. supply.



KE CBR Testing Machine

The CBR test is used for determining the relative bearing ratio and expansion characteristics under known surcharge weights of base, sub-base and sub grade soils for the design of roads, pavements and runways. Tests can be conducted on all types of soils including sand, gravel and washed stone (passing through 20 mm IS Sieve). The CBR test is used extensively in selection of materials and control of sub grades.



KE Sieve Shaker

Sieve Shaker are perforated vessels designed to separate fine from coarse materials. Standard sieve analysis is probably the fastest and most widely used quality control procedure due to its simplicity. This process ensures the sampling of organic or inorganic materials meet ASTM standard tests. Particle size distribution is critical to the way the material performs in use. Industries served include food, powdered metal, chemical, and mineral processing.

BITUMEN & AGGREGATE TESTING MACHINE



KE Bitumen Extractor

It is operated by a motor coupled to a gear box and the drive is through a step pulley. The motor part can be disconnected and the unit can be operated manually in case of power failure. The motor drive gives 3500 rpm to the rotor bowl. Suitable for operation on 230 volts, 50 cycles, single phase, A.C. supply



KE

Ductility Apparatus

This instrument is used for determining the ductility of asphaltic bitumen and fluxed native asphalt, cutback bitumen and blown type bitumen.



KE

Bitumen Pentrometer

This instrument is used for testing a wide variety of materials such as grease, petroleum, bitumen, tar, wax, polish, foodstuffs, rubber, cement, asphalt and pharmaceutical creams.



KE

Los Angeles Abb.

Used for testing crushed rock, crushed slag, crushed and on crushed gravel for resistance to abrasion

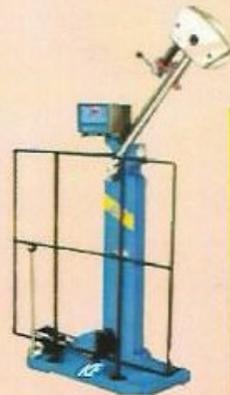


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SALE, SERVICE, REPAIRING



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