

End Over End Shaker

BS 1377:2 EN 1997-2

DESCRIPTION:

The Particle density or specific gravity is a measure of the actual particles which make up the soil mass and is defined as the ratio of the mass of the particles to the mass of the water they displace.

This method is suitable for soils containing up to 10% of particles retained on a 37.5 mm BS sieve.



TECHNICAL SPECIFICATIONS:

Weight (approx.)	Dimensions
20 kg	900x700x600 mm

ORDERING:

SL 0741
End Over End Shaker 230V
50 Hz, 1 pf

ACCESSORIES:

SL 0741-1
Gas jar, 1 Ltr. Capacity
complete with rubber bung.

Sedimentation Hydrometer

EN 933-8; ASTM D2419; AASHTO T176

TECHNICAL SPECIFICATIONS:

Overall Weight (approx.)	Dimensions
25 kg	600x300x380 mm



DESCRIPTION:

The Sedimentation Hydrometer test set is used to determine particle size distribution in soil from the coarse sand size down to the smallest fractions.

In this method, the sample is from organic matter after which it is dried and weighed. Next, it is suspended in water and sieved.

The solution that passes through the sieve is transferred to a measuring cylinder with water.

Hydrometer readings are taken after regular intervals. Sedimentation time and hydrometer readings are used to determine the grain sizes according to the stoke's Law.

Sedimentation Hydrometer test set consisting of soil dispersion mixer, hydrometer bath, 1pcs. hydrometer 151H or 152H, sodium hexametaphosphate 1 kg, 6 pcs. 1000 ml sedimentation cylinder, heater, circulation pump, rubber stopper and 600 ml beaker.

ORDERING:

SL 0742
Sedimentation Hydrometer
test set

ACCESSORIES:

- SL 0742-1**
Constant Temperature Bath
- SL 0742-2**
Sodium Hexametaphosphate
500 g
- SL 0742-3**
Hydrometer Sedimentation
Cylinder 1000 ml
- SL 0742-4**
Mechanical Analysis Stirrer
- SL 0742-5**
Soil Hydrometer BS/EN,
graduated 0.0995 to 1.030
g/ml.
- SL 0742-6**
Soil Hydrometer ASTM/
AASHTO(152H) graduated -5
to +60 g/litre.
- SL 0742-7**
Soil Hydrometer ASTM D422
(151H) graduated 0.0995 to
1.038 g/ml.+60 g/litre.

Mechanical Analysis Stirrer

DESCRIPTION:

The compact, bench-top mechanical stirrer is used for dispersing soil samples in water for hydrometer analysis.

The stirrer is supplied complete with: Mixing Paddle and Dispersion Cup.



BS ASTM D422; AASHTO T88

MAIN FEATURES:

- Durable, long-lasting mixing unit
- Baffled Dispersion Cup is included

ORDERING:

SL 0743
Mechanical Analysis Stirrer

TECHNICAL SPECIFICATIONS:

Revolutions per Minute	13,000/18,000rpm speeds
Electrical	115V / 60Hz, 7.5 Amps
Product Dimensions	165 x 171 x 521 mm
Estimated Shipping Weight	7.71 kg

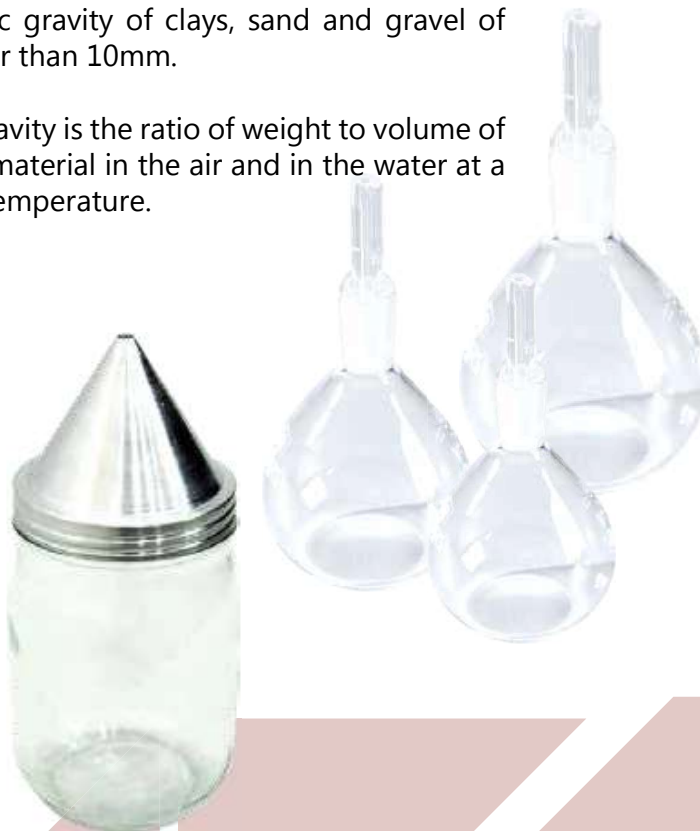
Pyknometer Method

BS 1377, 812-2, EN 1097-7, 1997-2, ASTM D 854, AASHTO T100

DESCRIPTION:

The Pyknometer Method is used to determine the specific gravity of clays, sand and gravel of size smaller than 10mm.

Specific gravity is the ratio of weight to volume of a specific material in the air and in the water at a constant temperature.



ORDERING:

SL 0744

Density Bottle 25 ml, Supplied complete with capillary vent stopper.

SL 0745

Density Bottle 50 ml, Supplied complete with capillary vent stopper.

SL 0746

Density Bottle 100 ml, Supplied complete with capillary vent stopper.

SL 0747

Pyknometer 1000 ml, Glass jar complete with non-corrodible cone and rubber seal.

ACCESSORIES:

SL 0744-1

Spare Rubber seal