MOTORIZED LIQUID LIMIT DEVICE

Equipped with a motor that perform the drop cycles automatically in a constant speed. Used to determine the moisture content at which soil pass from plastic to liquid state. This feature is very important in specifying the type of the soil, moreover, in determining the other parameters that relay on the soil type.Includes a cup that drops on a hard rubber base. It is also equipped with a drop counter. The grooving tool is supplied with the equipment (Testing standard is to be specified at the time of order). ASTM and AASHTO

Motorized Model - Comprising of:
- Hard rubber base - Brass cup
- Cam mechanism- Blow counter

Power Supply: 220 - 240 V / 50  60 Hz  Weight 6kg.

CONE PENETROMETER

Hand-operated model with a digital indicator to be used with a stopwatch- ASTM and AASHTO ..

150 mm diameter graduated in 400 x 0.1 mm divisions
10 Penetration Test Cup- 55 mm diameters by 40 mm deep, with the rim parallel to the flat base. Weight 80 to 120g. Penetration Test Cone

Used to determine the moisture content while soil passing from plastic to liquid state by measuring the penetration of standard cone free falling into the soil under controlled conditions. Designed with auto-zeroing mechanism and a release button is equipped to the machine for easier using experience.
DETERMİNAŢİON OF PLASTİC LİMİT

MODEL NO

Fiber Glass plate – With is 500mm square with minimum thickness of 10mm-Spatula – 100mm blade with wooden handle..Spatula – 150mm blade with wooden handle..Spatula – 200mm blade with wooden handle..Chattaway Spatula - Moisture tin (6 ea) Mixing dish

DETERMİNAŢİON OF SHRİNKGAMOULD AND AXEX.

SHRİNKGAE MOULD

LINEAR SHRINKAGE MOULD-BS1377:2-140mm x 12.5mm RADIUS . The test covers the determination of the shrinkage of soils and indicates the plastic properties of soils with low clay content

DÎGİTAL CALIPER 200MM-0,01 MM
Automatic soil compactor

Automatic soil compactor includes the following features:

- **Automatic rec-setting of counter after completion of blow pattern.**
- **Pre-set blow pattern.**
- **Solid state controls for reliability and ease of maintenance.**

### Rammer Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circular faced</td>
<td>2 in (50.8 mm) diameter, adjustable to 5.5 lb (2.5 kg) - 10 lb (4.5 kg) weight.</td>
</tr>
<tr>
<td>Drop</td>
<td>Adjustable to 12 in (305 mm) or 18 in (457 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>145 kg</td>
</tr>
</tbody>
</table>

### CBR Mould Body Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mould</td>
<td>152.4 x 177.8 mm (inside diameter x height)</td>
</tr>
<tr>
<td>Collar</td>
<td>51.8 mm height, fits both ends of mould</td>
</tr>
<tr>
<td>Base plate</td>
<td>perforated</td>
</tr>
<tr>
<td>Construction</td>
<td>All steel plates</td>
</tr>
<tr>
<td>Weight</td>
<td>9 kg</td>
</tr>
</tbody>
</table>

### CBR Solid Base

- **Electrical specification:** 220-240 V AC, 50Hz, 1ph
- **Equipped with automatic digital counter which stops at the required number of blows.**
- **Safety transparent door eliminates risks and allows observation.**
Electronic Control and Readout Unit. Rapid platen adjustment Complete with stabilizing bar and appropriate Clamped Boss Load Rings. Compact, bench-mounting design Options for mechanical or electronic measurement..50 kN load frame complete with stabilizing bar. Bench mounting machine comprises a twin column frame incorporating a motorized drive system. The speed must be compatible with both BS/EN (1.0 mm/min) and ASTM (1.27 mm/min) tests. Rapid adjustment of the platen is provided, which enables daylight to be taken up quickly and also close control of application of a seating load. Electrical specification: 220 V AC, 50 Hz, 1ph

Platen diameter 133 mm Platen travel 105 Weight 90kg

SAND REPLACEMENT

Calibrating Container – Weight 3-5 kg. Metal Tray - 300 mm square x 40 mm deep with a hole compatible with sand pouring cylinder. Sand Cone - With a shutter mechanism. Supplied without sand container. Weight 0.5-1kg. Sand Container - 5 liter capacity for fitting to the Sand Cone. Weight 1-2kg. Density Plate - Weight 1-2 kg.
CONSOLIDATION TEST APPAR.

MODEL NO

High capacity – 8800 kPa on 50 mm diameter

Weight 22 kg. Consolidation Frame
Set of Weights - 100 kg comprising 9 x 10kg, 1 x 5 kg, 2 x 2 kg, 1 x 1 kg. Weight 100 kg.
Floor-mounting Stand - A versatile modular steel stand.
Vertical Settlement Measurement ..Transducers are supplied complete with mounting brackets as required…Dial gauge 10 mm travel x 0.002 mm division

Fixed ring type Integral water reservoir..Choice of three sample sizes..Manufactured from corrosion-resistant materials and conform to the requirements of the relevant Standards..Supplied complete with upper and lower porous disc, pressure pad and cutting (specimen) ring.Nominal sample diameter 50 mm..

Calibration disc..Pair of porous discs

FLAKINESS AND ELONGATION GAUGE

Flakiness Gauge constructed of heavy gauge sheet steel to the dimensions specified in BS 812 or its equivalent.Elongation Gauge must have six labeled opening between metal pins.
FALLING HEAD PERMEABILITY SET

MODEL NO

Constant Level Tank: manufactured from transparent plastic with attachment for wall mounting. Compaction permeameter with all necessary accessories. Standpipe panel complete with three glass tubes 1.5, 3 and 5mm diameter bore, 1.4m long. With meter scale and thick walled flexible tubing. The glass tubes must be fitted to a panel and connected to a three-way outlet.

Plated seamless tube 100mm diameter x 130mm height

VIBRATING TABLE

Vibrating table mounted on a steel stand, supplied with clamp assembly. Dimensions (table top) 600 x 400 mm. Maximum no. cube moulds 4 x 150 mm². Clamp assembly Single Weight 55kg. Vibrating Table - 3000 cycles per minute. For 220 – 240 V AC, 50 Hz, 1 ph. Compacting Bar - Steel, 380 x 25 mm (length x square) tamping area, BS. Weight 1.8kg.
LARGE CAPACITY DRYING OVEN

Digital programmable display Constructed from mild steel with a coated exterior and an aluminum coated steel chamber, the ovens are fitted with a thermostatic control and feature fan-circulation for even temperature distribution throughout the interior. A safety overheat thermostat is fitted as standard and the units are supplied with the temperature indicator, pre-set to 100 – 300°C. Isolation glass wool.

Capacity 250 LT Max. Temp. 300°C Fluctuation ± 0.75°C Weight 85 kg 250 liter Drying Oven. For 220 – 240 V AC, 50 - 60 Hz, 1 ph. Dial Thermometer - 0 – 300°C, 40 mm diameter dial with collar fixing for door.

SIEVE SHAKER

Sieve Shaker complete as specified. Weight 80-100 kg. 220 – 240 V AC, 50 Hz 1 ph. As standard the shaker includes, timer 0-999 minutes, adjustable vibration intensity and adjustable intermittent or continuous operation. The unit accepts up to ten 200 mm or 8 inch, full height, diameter sieves and lid and receiver, or up to six 300 mm or 12 inch diameter sieves and lid and receiver.
WOVEN WIRE SIEVES

FORE manufactured test sieves, together with complimentary particle size analysis equipment and accessories. Standard test sieves are available in frame diameters from 75mm to 450mm for European specifications and 8 and 12 inch for American specifications. Impact also manufactures Grain Sieves, Grid Sieves, Pocket Sieves, Airjet Sieves, Coffee Bean Grading Sieves, Half Height Sieves and Wet Washing Sieves.

STEENLES STEEL MATERIAL

<table>
<thead>
<tr>
<th>Standard ASTM C136, C33/AASHTO T27 or equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>* 8 in dia. ASTM sieve no.200 (75 μm)</td>
</tr>
<tr>
<td>*8 in dia. ASTM sieve no.100 (150 μm)</td>
</tr>
<tr>
<td>*8 in dia. ASTM sieve no.50 (300 μm)</td>
</tr>
<tr>
<td>*8 in dia. ASTM sieve no.30 (600 μm)</td>
</tr>
<tr>
<td>*8 in dia. ASTM sieve no.6 (1.18mm)</td>
</tr>
<tr>
<td>*8 in dia. ASTM sieve no.8 (2.36mm)</td>
</tr>
<tr>
<td>*8 in dia. ASTM sieve no.6 (3.35/6mm)</td>
</tr>
<tr>
<td>*8 in dia. ASTM sieve no.4 (4.75mm)</td>
</tr>
<tr>
<td>*8 in dia. ASTM sieve op. 3/8 in (9.5mm)</td>
</tr>
</tbody>
</table>
*8 in dia. AS M sieve op. 1/2 in (12.5mm)
*8 in dia. ASTM sieve op. 3/4 in (19mm)
* lid and receiver dia. 8 in (203mm)
*12 in dia. ASTM sieve op. 1in (25 mm)
*12 in dia. ASTM sieve op. 1 ½in (37.5 mm)
*12 in dia. ASTM sieve op. 2in (50mm)
*12 in dia. ASTM sieve op. 2 ½in (63 mm)
*12 in dia. ASTM sieve op. 3 in (75 mm)
*12 in dia. ASTM sieve op. 3 ½in (90.0 mm)
*12 in dia. ASTM sieve op. 4in (100 mm)
* lid and receiver (pan) dia. 12 in (305mm)

Fine Sieve Brush
Wire Sieve Brush
75 μm Washing Sieve

FURNACES

INTERNAIL VOLUME -6 LITRE-1000C - POWER 2500 WAT

ELECTRONIC BALANCES

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>RESOLUTION</th>
<th>PAN SIZE</th>
<th>MAINS &amp; BATTERY</th>
</tr>
</thead>
<tbody>
<tr>
<td>2500 G X 0.01 G</td>
<td>ANY</td>
<td>ANY</td>
<td>YES</td>
</tr>
<tr>
<td>8000 G X 0.1 G</td>
<td>ANY</td>
<td>ANY</td>
<td>YES</td>
</tr>
<tr>
<td>16000 G X 0.5 G</td>
<td>ANY</td>
<td>ANY</td>
<td>YES</td>
</tr>
<tr>
<td>32000 G X 1.0 G</td>
<td>ANY</td>
<td>ANY</td>
<td>YES</td>
</tr>
</tbody>
</table>