

## SOIL TESTING

### LABORATORY MIXER



- Laboratory mixer 5 litres capacity complete with whisk.  
230 V, 50 Hz, 1 ph.  
*Used to mix soil samples and bituminous mixtures for compaction studies.*

■ Specifications:

- Width of mixing blade: 135mm
- Mixing bowl capacity :5L
- Rotation speed of mixing blade revolution( r/min)  
low: 140±5 62±5  
high: 285±10 125±10
- Net weight(approx): 70kg

### PENETROMETER



■ STANDARD:

GB/T269, GB/T4509 AND T0604.

*Test the plasticity of lubricating grease and the hardness of bitumen.*

■ Specifications:

- Time Setting: 5,8,10,12,30 and 60S
- Accuracy: 5±0.1S
- Measurement Range: 620 Pen Unit
- Needle: 2.5±0.05g
- Full Scale Cone: 102.5±0.05g

### LIQUID LIMIT DEVICES



grooving tools

■ STANDARD:

ASTM D4318/BS1377:2

General description and specifications

*The Liquid limit device is used to determine the moisture content at which clay soils pass from a plastic to a liquid state.*

*The devices comprises essentially:*

- Removable brass cup, spare cup with roughened surface for use with low plasticity sandy soils.
- Adjustable crank and cam mechanism
- blow counter and base
- grooving tools, to be ordered separately.

*Different models are available conforming to the various specifications in use. They are identical in shape and different generally according to type of base and cup weight. We can supply two versions: hand operated and motor operated.*

### PLASTIC LIMIT TEST SET



The set comprises:

**Plastic limit plate** 300×300 mm

**Stainless steel rod** 3 mm dia

**Mixing dish** 120 mm dia

**Moisture tin** 75 mm dia. ×30 mm

*Each item can be ordered individually.*

*Weight approx. : 1 Kg*