

STANDARD: BS 598, ASTM D1559, AASHTO T 245

- **TM 1** 50kN Marshall machine with TM 3, TM 4 and 20kN load cell



TM 1 50kN MOTORISED MARSHALL TEST MACHINE

The Marshall Compression Test Machine to perform a defined speed on a standard specimen, measuring the maximum load and maximum flow deformation. The machine are designed at a constant speed of 50.8mm (2") per minute, through a gear motor and fitted with safety device unit switch to prevent over travel of maximum and minimum cylinder stroke.

The machine also can be fitted with optional digital 'Z' type 25kN load cell and displacement transducer via digital display scanner unit. The purpose of these is to replace the conventional dial gauge type which are difficultly to read accurately synchronising the flow measurement with that maximum peak load reading.

GENERAL SPECIFICATION

- Max. platen travel: 75mm
- Platen speed: 50.8mm/min
- Capacity: 50kN
- Power: 220-240V, 50Hz, 1 ph
- Approx. weight: 80kg
- Approx. dimension: 600 x 385 x 1045mm

Accessories Optional

TM 1/A

25kN 'Z' load cell for load measurement

S 72/E

Displacement transducer 25mm x 0.01mm for flow measurement

- **TM 1** with 'Z' load cell, transducer and TM 2



ACCESSORIES

TM 2

Marshall digital scanner for display of flow and load measurement, built in with RS 232 serial interface connect to computer or printed for X-Y graph.

TM 3

Stability mould (breaking head), open type made from steel with inside diameter of 4" to the dimension given in BS 598.

TM 4

Flow meter (dial gauge) with 25mm travel in graduation of 0.01mm. Supplied with stopper unit.

TM 5 Manual Marshall Compactor BS 598, ASTM D1559

Comprises of compactor hammer, hammer guide, mould clamp and laminated hardwood block.

ACCESSORIES

TM 6

Marshall Mould with collar and base plate.

