



Silent Features:

- Fully Automatic operational Design
- Compact design and rugged construction ensures long service life and facilitates easy transport for field applications.
- Touch screen display
- Opto-electronically depth detection & measurement through imported Opto-electronic sensor
- Automatically timed programmable penetration measurements - Preset penetration time at factory (Operator can also enter the user defined penetration interval through touch screen)
- Motorized placement of penetrator on sample surface
- Penetrometer arm automatically comes back to its home position at the end of 5 seconds penetration test
- In-built Facility to tare and reset the measurement results
- Display resolution of penetration depth in tenths of units (0.01mm)
- Magnifying lens for adjusting needle tip/cone tip exactly on the sample surface
- Low voltage Illuminator mounted on flexible arms to assist an operator during testing
- Built-in spirit level and leveling screws to ensure proper alignment
- Micrometer differential gearing mechanism for fine movement of head
- Weight of the Needle/Cone and plunger match the criteria of ASTM and IP requirements.
- The base of the instrument is also user adjustable - It can be lifted up or down with the jack provided at the bottom.
- The penetration time is controlled and indicated on Digital LCD display with least count of 0.1 second.
- The Opto-electronic sensor installed within the instrument detects the penetration depth in 10th of millimeter (0.01mm)
- The penetration value is measured and indicated on digital LCD display
- Supplied complete with Needle/cone, container and applicable weight

Supplied complete with following Accessories in case of Bitumen penetration:

- Weight of 50 Grams 1 No.
- Penetration cup of 55mm diameter x 35mm height 1 No.
- Transfer dish 1 No.
- Penetrometer Needle 1 No.
- Needle Holder 47.5g \pm 0.05g 1 No.
- Thermometer ASTM 17C (+19 to 27 °C) 1 No.

Note: Specifications are subject to change.



Order Code - MT394
Standard Penetrometer Fully Automatic
- (ASTM D5), (ASTM D217)

Supplied complete with following Accessories in case of Grease penetration:

- Sample container of 76.5mm dia x 63.5mm height 1 No
- Transfer dish 1 No
- Penetrometer Hollow 90° brass cone, Highly polished stainless steel tip 2 Nos

Technical specification

- Measuring Range : 0-40 mm
- Timer Range : 0-99,999 Seconds
- Overall Dimensions : 330 X 390 X 790(L X W X D) mm
- Operation on : 230 Volts, 50 Hz, Single Phase, AC Supply

Note: Specifications are subject to change.

