

**Product Name :**  
Automatic Softening Point Apparatus Ring And Ball  
Apparatus

**Product Code :**  
TEST5176RFQLAB-0026



**Description :**

Automatic Softening Point Apparatus Ring And Ball Apparatus

**Technical Specification :**

Automatic Softening Point Apparatus (Ring And Ball Apparatus)

The microprocessor controlled automatic tester is used to determine the softening point of bitumen using water or glycerol as a heating fluid.

Temperature gradient is maintained throughout the test by electronic system which conforms to the standards.

The Automatic Ring and Ball Apparatus is an innovative microprocessor controlled automatic tester which is used to determine the softening point of bituminous materials using water or glycerol as the heating fluid.

The softening point determines a disk of the sample held within a horizontal ring is forced downward a distance of 25.4 mm under the mass of a steel ball as the sample is heated at a prescribed rate in a water or glycerine bath.

**Specifications:**

Heater and magnetic stirrer with speed control

Temperature probe

Equipped with a cooling and heating system

Glass beaker test rings and ball support

Application for and centering device for steel balls

Microprocessor system graphic display with membrane keyboard

R232 port for PC or printer

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#### Firmware

Uses distilled or deionized water for softening point between 30 and 800C

Uses glycerol for softening point above 80 and up to 150°C

Test configuration Set up

Light barrier system

Application and centering device of steel balls

User defined sequences and automatic finalization of the test

Magnetic stirrer adjustment from 0 to 150rpm

Test parameters conforming to the type of test up to 800C or above 1500C

Hot plate preheating thermocouple calibration

Power 230V 50/60Hz 1 phase

#### Safety

Emergency stop button.

Hot plate which automatically turn off at the end of the test.

Hot plate protected from damage by water or glycerol leakages.

Automatic test cancellation if probe fails or is incorrectly positioned.

#### Accessories:

RS32 cable

Spares

Brass ring

Steel ball (4 quantity)

Ball centering guide (1 x Quantity)

600ml beaker (3 quantity) .



**Testing lab instruments India**