



## Automatic Digital Ring and Ball Apparatus

Code: 46-4680

Product Group: N/A

46-4680 has a high technology digital microprocessor tester that automatically determines the softening point of asphalts and pitches.

Two laser sensors detect the ball fall, determining the softening point.

Bath temperature is measured by an electronic system maintaining the gradient (5 °C/min) as specified by the standards.

Includes a magnetic stirrer with electronic speed adjustment from 0 to 160 rpm, also ensures a uniform temperature in the vessel during the test execution.

The touch-screen graphical interface allows an easy set up of the parameters and the immediate execution of the test.

High resolution colour display, 1/4 VGA, offers all the functions of a PC for the management and analysis of data, test results, and graphs, Multilanguage selection.

Two test parameters can be selected in the microprocessor menu: test on boiled distilled water for softening point from 80 up to 150 °C.

Functions available: clock, calendar, test number, user/customer name, general notes, start/end of the test. Real time visualisation of the bath temperature, test progress, rpm of the stirrer

Complies to EN 1427, ASTM D36, AASHTO T53, BS 2000

## Further Information

The tester is composed of:

- Ceramic-glass heating plate with automatic cut off at the end of the test cycle
- Motherboard with microprocessor and steel balls centering device

## Specification

Power Supply

230V 1ph 50/60Hz 700W

Dimensions

500 x 350 x 550 mm

