



Anton Paar

∴ Consistency and Ductility



RKA 5

Softening Point Tester

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The ring-and-ball softening point tester automatically determines the temperature at which a substance attains a particular degree of softness. It is used for samples without sharply defined melting points, which become softer and less viscous as the temperature rises.

RKA 5 with its different ball centering and dispensing devices is suitable for bitumen, waxes, adhesives, resins, polymers, road-marking materials and sealing compounds.

Benefits at a Glance

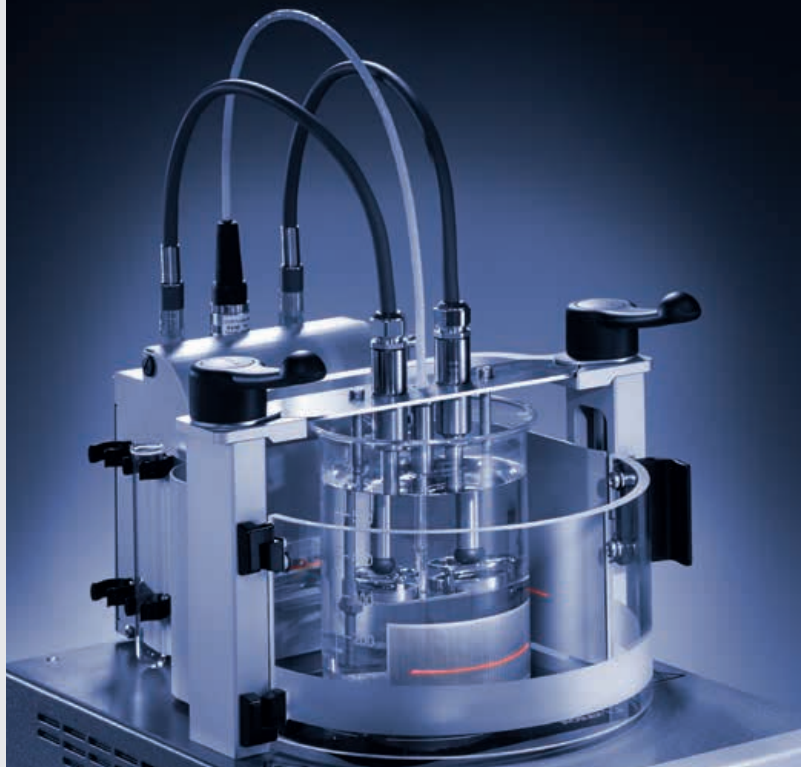
- ▶ Temperature-heating rate chart for conformity check of each test
- ▶ Multi-point temperature calibration
- ▶ Provision against the erroneous detection of air bubbles
- ▶ Automatic assessment of results according to the requirements of the standard
- ▶ Statistical and database functionality
- ▶ The heating system is spill-protected and in a sealed case for safe operation and easy cleaning

Convenient Operation

- ▶ A laser scanner system covers the whole beaker cross section area. This ensures a very reliable detection of the falling ball.
- ▶ The smart jog wheel operation system (turn and push) and Pmove[®], as an innovative operation platform, make it easy to select one of the pre-set standard programs or choose one of the 20 user-definable settings.

Customized User Flexibility

- ▶ Automatic electromagnetic ball-dispensing system (optional) recommendable for softening points > 80 °C. It consists of a standard test rack and centering guides in combination with two electromagnetic holders for the automatic ball dispensing after 15 min (see picture above).
- ▶ Wilhelmi test kit (optional) suitable for road-marking materials and sealing compounds acc. to EN 1871-F, DIN 1996-15. Comprising a test rack, a centering guide, an electromagnetic holder for ball dispensing and further accessories.
- ▶ Bar code scanner (optional) for up-to-date sample identification



Standard Methods

ASTM D36, ASTM E28, ISO 4625-1, EN 1238, EN 1427, EN 13179-1, JIS K 2207, AASHTO T53, IP 58

Optional: EN 1871-F, DIN 1996-15

Technical Specifications

Configuration	RKA 5 incl. test rack with mechanical ball centering and dispensing device
Application range	up to 250 °C
Test places	2
Heating	IR radiation, ROBAX [®] heating plate, spill-protected
Stirring	100 rpm to 150 rpm (program-dependent)
Display	4.7" graphical color, graphical menu guidance
Cooling after test	Powerful fan
Temperature probe	Pt100 (4-wire, gold contacts)
Interfaces	RS232, 3x USB, LAN, LIMS compatibility
Power supply	115 V or 230 V, 50 Hz/60 Hz, 1.2 kW
Dimensions	230 mm x 470 mm x 460 mm (W x D x H)
Weight	approx. 12 kg

Your distributor: