Anton Paar

RKA 5

# Softening Point Tester

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# Softening at the Highest Level

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.

## Customized user flexibility

- The optional electromagnetic ball-dispensing system is recommendable for softening points > 80 °C. It consists of a test rack and centering guides in combination with two electromagnetic holders for the automatic ball dispension after 15 min.

## Safe heating system

- The heating system is spill-protected and in a sealed case for safe operation and easy cleaning
- Infrared radiator technology
- ROBAX® glass plate
- Heating plate with marking for exact beaker centering
- Protective glass door

## Comprehensive result presentation

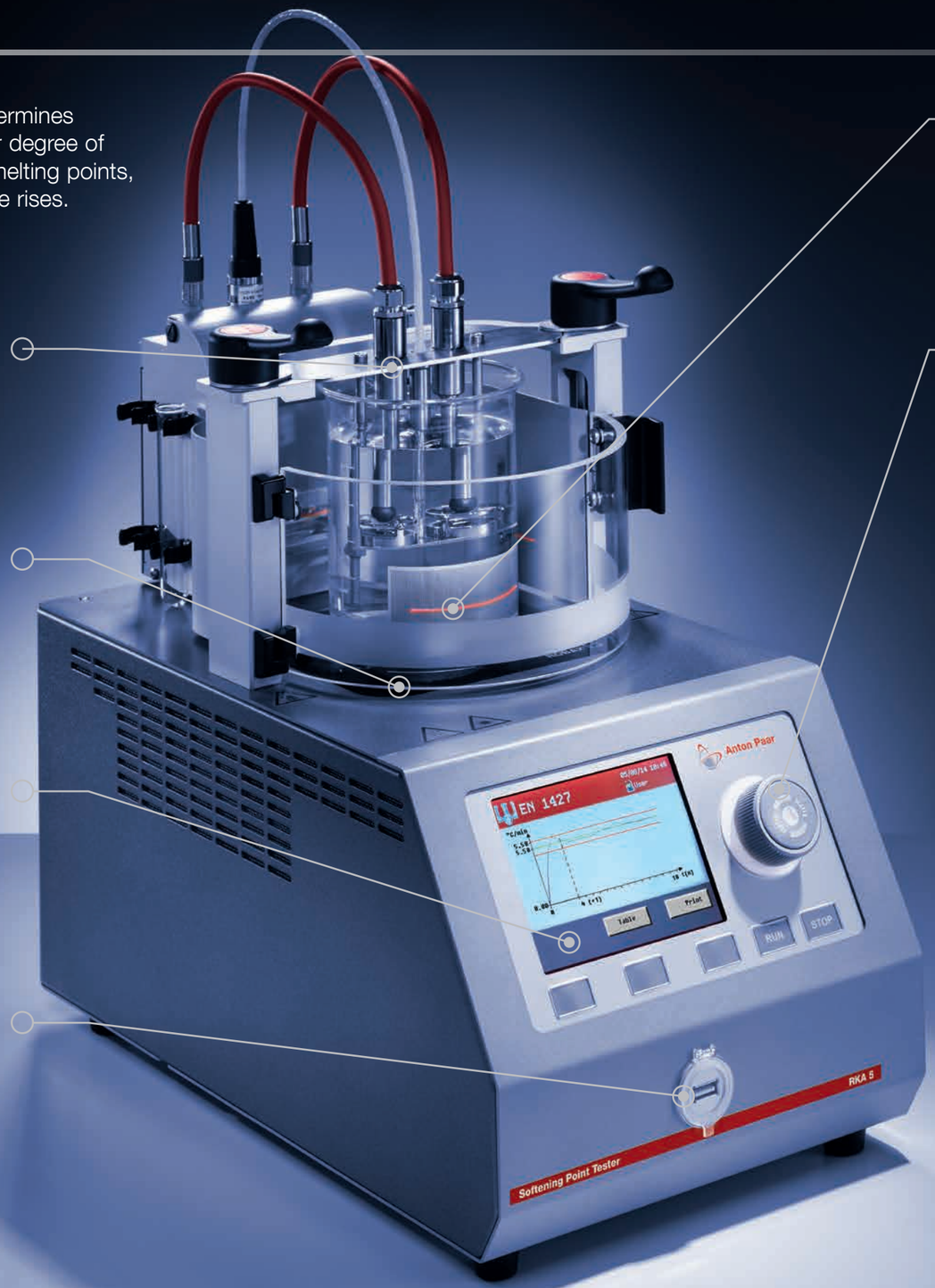
- Temperature heating rate chart for standard conformity checks on each test
- Easy graphical menu guidance via icons
- Statistical calculations
- Unlimited internal memory for results
- Automatic deviation assessment of two balls

## Extended database functionality

- Device and data management via USB stick download
- LAN and LIMS compatibility
- Interfaces for keyboard and printer

## Useful Accessories (optional)

- Automatic electromagnetic ball-dispensing system (optional)
- Bar code scanner for efficient sample identification
- Printer and keyboard




RKA 5 with optional automatic ball-dispensing

## Reliable operation

- A laser scanner system covers the whole beaker cross section area. This ensures a very reliable detection of the falling ball.
- Protection against the erroneous detection of air bubbles
- Multi-point calibration of the temperature sensor

## Convenient operation

- The self-explanatory and smart jog wheel operation system (turn and push) and the innovative operation platform Pmove® makes it very easy to select one of the pre-set standard programs or choose one of the user-definable settings.

## Applications

RKA 5 with its different ball-centering and -dispensing devices is suitable for bitumen.

- To determine the classification of bitumen
- To establish the uniformity of shipments from sources of supply
- To indicate the tendency of the material in service to flow at elevated temperatures
- To guarantee constant quality
- To reduce the risk of warranty demands and recourse claims

## Standard Methods

ASTM D36, EN 1427, JIS K 2207, AASHTO T53, IP 58

| Specifications | |
|---|---|
| Configuration | RKA 5 incl. test rack with manual ball centering and dispensing device |
| Application range | up to 160 °C |
| Test places | 2 |
| Heating | IR radiation, ROBAX® heating plate, spill-protected |
| Stirring | 100 rpm to 150 rpm (program-dependent) |
| Display | 5.0” 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/230 V, 50 Hz/60 Hz, 1.2 kW |
| Dimensions | 230 mm x 410 mm x 520 mm (W x D x H) |
| Weight | approx. 12 kg |
| Resolution | 0.1 °C |

H53IP002EN-C

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