

AREA 20 ASPHALT & BITUMEN

Bitumen

Ring and ball machine

EN 1427 - ASTM D36 - AASHTO T 53 - GOST 11506-73 To determine the softening point using ring and ball.

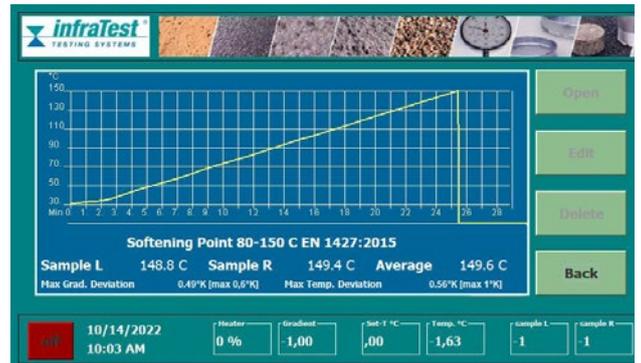
With glass ceramic plate, halogen lamp for heating and built-in magnetic stirrer underneath with adjustable speed. It is operated via a touch panel. For a standard temperature rise of 5 K/min. ensures a microprocessor-controlled regulation with continuous temperature measurement in the beaker. The temperature rise can be followed in real time on the touch display. The falling through of the balls is recorded by a light barrier on the right and left and the respective temperature value is displayed digitally. At the same time, the difference between sample 1 and 2 is output. The test data is saved via an internal log and can be called up at any time in the device or can be transmitted via a USB interface.

Three test types can be preselected, one for water from 30 to 80°C or one for glycerol from 80 to 150°C. In addition, we offer an optional test procedure for silicone oil from 80 to 200°C. Complete with 600 ml beaker, stirring rod and insert frame with 2 test rings, test balls and 2 ball centering devices. The user languages are German, English and French.

Technical data

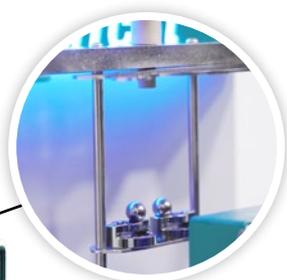
dimension	290x580x380mm
Weight	17.00 kg
Electrical data	230 V, 50/60 Hz, 0.7 kW

20-22000



Advantages:

- ▶ Real-time temperature rise display and data storage
- ▶ Innovative infrared heating system
- ▶ Cooling function for beaker
- ▶ Up to 15,000 attempts can be saved
- ▶ Optional operation with silicone oil



insert frame



USB interface



drip tray

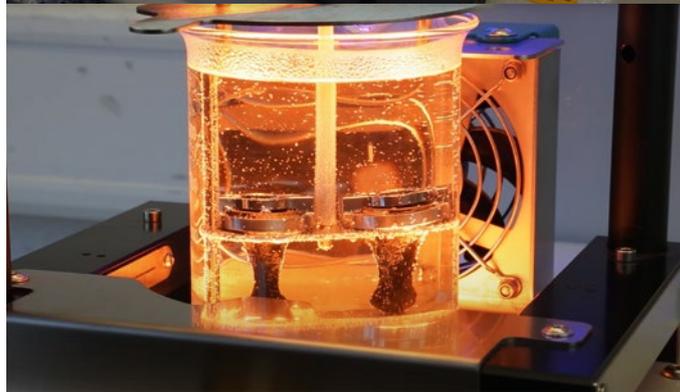


Fan and holding device for the insert frame



TOUCH PANEL

Convenient operation via touch screen input masks.



AREA 20 ASPHALT & BITUMEN

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ACCESSORIES

FOR RING AND BALL MACHINES



Ring and ball insert frame

EN 1427- ASTM D36 - AASHTO T 53 For performing ring and ball tests with manual temperature control on two samples simultaneously. Complete with 2 ball centering devices.

Technical specifications

Weight 0.20 kg

20-2120

Ring and ball insert frame for 20-2200

EN 1427 - ASTM D36 - AASHTO T 53 - GOST 11506-73



Technical data

Weight 0.40 kg

20-2215

Ring and ball insert frame for 20-22000

EN 1427 - ASTM D36 - AASHTO T 53 - GOST 11506-73



Technical data

Weight 0.40 kg

20-22150

Test ring with step

EN 1427 - ASTM D36 - AASHTO T 53 - GOST 11506-73



Technical data

Weight 0.01 kg

20-2125

Test ball Ø 9.5 mm

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20-2135

Flat panel 150 x 150 mm

To prepare the test rings.



Technical specifications

Weight 0.10 kg

20-2140

Casting plate nickel-plated

EN 1427 brass nickel plated.



Technical specifications

Weight 0.10 kg

20-21420



Sample cutter

With a straight cutting edge for cutting the test rings to size.



Technical specifications

Weight 0.10 kg

20-2145

Stirring rod power magnet Ø 14 x 40 mm

For glycerol.



Technical data

Weight 0.03 kg

20-2217

Beaker 600 ml

Low shape for ring and ball tests.



Technical data

Weight 0.20 kg

20-2150

Magnetic stirring rod Ø 8 x 50 mm PTFE

For water experiments.



Technical specifications

Weight 0.01 kg

20-2218

Test ball Ø 15 mm



Technical data

Weight 0.01 kg

20-2170

Ball centering device RuK



Technical specifications

Weight 0.05 kg

F10.12.085

