

Automatic Ring and Ball Tester

EN 1427 - ASTM D36 - AASHTO T53 - GOST 11506-73
Determination of the Softening Point of Bitumen.

With glass-ceramic plate, halogen radiator for heating and magnetic stirrer with adjustable speed built-in underneath. Operation is via a touch panel. A microprocessor-controlled regulation with continuous temperature measurement in the beaker ensures a standard-compliant temperature rise of 5 K/min. The temperature rise can be monitored in real-time on the touch display. The passage of the balls is detected 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 stored in an internal protocol and can be called up at any time in the unit or transferred via a USB interface.

Three test modes can be preselected, one for water from 30 to 80° C and 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 beaker 600 ml, stirring rod and insert frame with 2 test rings, test balls and 2 ball centring devices. The user languages are German, English and French.

Technical data

Dimensions	290 x 580 x 380 mm
Weight	17.0 kg
Electrical data	230 V, 50/60 Hz, 0,7 kW

20-22000

Advantages:

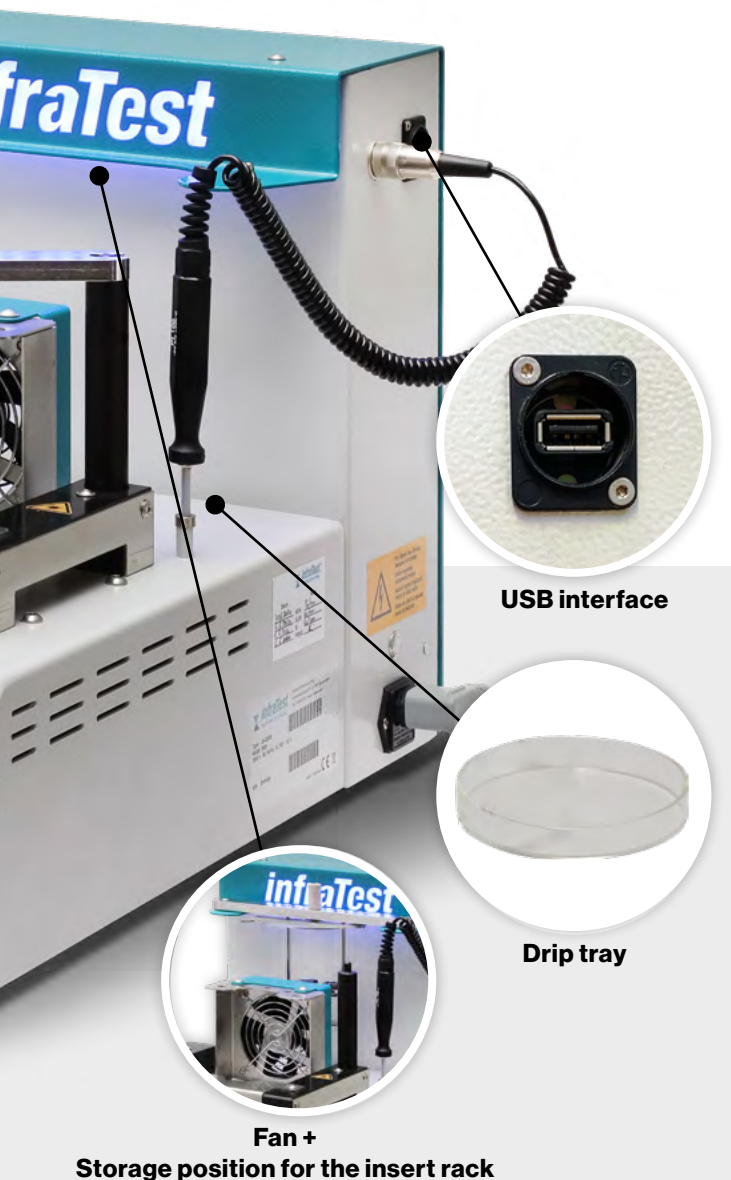
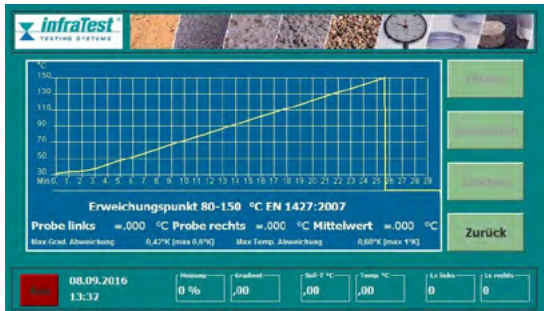
- ▶ Measuring of temperature rise in real time
- ▶ Innovative infrared heating system
- ▶ Cooling function for the beaker
- ▶ Up to 15,000 attempts can be saved
- ▶ Optional operation with silicone oil



TOUCH PANEL

Easy and fast control via the well arranged display.





ACCESSORIES

Ring and Ball Test Frame

to 20-22000

20-22150



Test Ring shouldered type

EN 1427 ASTM AASHTO

20-2125



Test Ball 9,5 mm dia

20-2135



Sample Cutter

with straight cutting edge
used for preparation of samples for ring and ball test.

20-2145



Glass Beaker 600 ml

low shape for ring and ball tests.

20-2150



Sample Plate

EN 1427. Made of galvanized brass.

20-21420

