infraTest®
TESTING SYSTEMS

NEW
Bending Beam Rheometer

Bending Beam Rheometer (BBR)

DIN EN 14771, NF T66-062, ASTM D 6648, AASHTO T313, PNST 79-2016, GOST 58400.8-2019 to determine the flexural creep stiffness of bitumen at low temperatures.

Among other things, the deflection is determined to evaluate the behaviour of bituminous binders and similar products at low temperatures. With a resolution of 1 µm, the deflection of the specimen is measured. The test force is controlled with an accuracy of < ± 5 mN.

Automatic, software-controlled operation and standardised evaluation and presentation of the findings.

Technical data

Dimensions	650 x 600 x 1500 mm
Width incl. PC arm	1200 mm
Weight	80 kg without accessories
Weight thermostat	60 kg
Total weight	140 kg
Electrical data	230/240 V, 50/60 Hz, 2 kW
Test bath approx.	11 l
Temperature range	-40... + 20 ° C
Temperature resolution	± 0,1 K
Usable stroke of load shaft	10 mm,
Incremental transducer resolution	1 µm
Load cell accuracy class	0,1
Force control accuracy	< ± 5 mN
Force range	0... 1500 mN
Bath liquid (recommended)	Silicone Oil (Fragol Therm X-T12)
Compressed air	min. 5 bar

20-44220

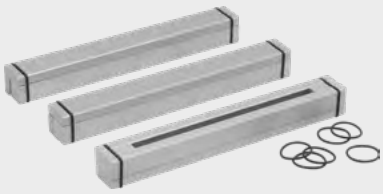
Advantage:

- Integrated programmable software controls and records measured data
- Compact tempering unit with heater and chiller
- Free selectable test temperatures up to -40°C
- Test bath with overflow for constant fluid level
- Customer layout
- All Test Data available as csv-file
- Stand alone device to avoid the transition of vibrations

ACCESSORIES

Set of 3 BBR Beam Moulds iT

20-44230



HIGHLIGHTS

Gyrator

20-42000

Darmstadt Scuffing Device

20-40030

Compact Dynamic Testing Machine RIO

20-60550

Asphalt Analyzer YOU!

20-11300

Asphalt Analyzer PURE

20-11600

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