

**Product Name :**  
Asphalt Bending Beam Rheometer

**Product Code :**  
TEST5124RFQLAB-0001



**Description :**

Asphalt Bending Beam Rheometer for Testing Lab Equipment Tender Suppliers India

**Technical Specification :**

The low-temperature shrinkage and cracking performance of asphalt pavement is related to the creep stiffness of asphalt binders and the slope of the logarithmic and time logarithmic curve of creep stiffness.

The bending beam rheometer is a device that uses the SHRP method to test the flexural creep stiffness of asphalt binders in low-temperature conditions. As a result, it's utilized to assess asphalt binders' low-temperature cracking properties. The test results include the low-temperature creep stiffness  $S(t)$  and creep stiffness change rate  $m(t)$  index.

**Feature**

Adopts industrial computer, deformation curve, pressure curve and temperature curve displayed in real time.

With LVDT calibration device which makes calibration process simple and convenient.

Dual mode of Peltier and refrigerator for cooling can realize rapid cooling from room temperature to  $-18^{\circ}\text{C}$  in 40 minutes.

To reduce vibration, the refrigerator is separated from the main unit by a hose.

A magnetic stirring rotor with adjustable speed is installed in the liquid bath which makes the liquid bath temperature accurate and uniform.

The air pressure, pre-pressure, loading pressure and air axle bearing pressure can be displayed in software.

With USB communication port, data is exported easily.

With overloading alarm and fault warning alarm function. The buzzer alarms and fault code will display at the same time.

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The stainless steel base box is durable and easy to clean.  
The testing time can be set to verify the deformation after 240s (default: 240s).  
The timing for calculating result can be set by software (8s, 15s, 30s, 60s, 120s, and 240s by default).  
Two-stage high-precision air filter prevents air impurities from affecting the test accuracy.

#### Sensors

Displacement sensor range: 0~10mm  
Displacement sensor resolution: 5µm  
Pressure sensor range: 0~4900mN  
Pressure sensor resolution: 2mN  
Temperature sensor range: -50?~room temperature  
Temperature sensor accuracy: ±0.1?  
Liquid bath: Liquid bath temperature range: -40?~room temperature  
Temperature control accuracy: ±0.1?  
Volume: 5L  
Rotating speed: 25r/min  
Others Specimen size: 127mmx12.7mmx6.35mm  
Top radius of specimen rack: 3mm±0.3mm  
Loading axis radius: 6.3mm±1.3mm Spherical contact point  
Number of specimen: 1 Pc  
Creep stiffness range: 20MPa~1000MPa  
Data interface: USB  
Power Host: 220VAC 1kW  
Power Box: 220VAC 1.8kW  
Refrigerator: 220VAC 3kW

We are a leading manufacturers of Asphalt Bending Beam Rheometer testing equipment for a range of industries, including materials science testing lab. We offer full range of Asphalt Bending Beam Rheometer testing equipment, including Asphalt Bending Beam Rheometer testing kit, Asphalt Bending Beam Rheometer testing machine, Asphalt Bending Beam Rheometer testing tools, Asphalt Bending Beam Rheometer test equipment, Asphalt Bending Beam Rheometer test machines, Asphalt Bending Beam Rheometer for Lab Testing Instruments. We are suppliers of materials testing tools and equipment for the construction industry. Our mission is to provide reliable, accurate, and easy-to-use Asphalt Bending Beam Rheometer testing equipment that helps customers build better, safer, and more sustainable infrastructure.



**Testing lab instruments India**