

Touch-Screen Rotary Viscometer, 10~100,000 mPa.s

BGD 152-1S

Product Description

Touch-Screen Rotary Viscometer, 10~100,000 mPa.s BGD 152-1S

Intelligent Touch-screen Rotary Viscometers equipped a 5inch touch screen with a powerful human-machine interface ,easy to use and can show many testing parameters. They use aMCS-51 series computer to constantly control the rotation speedand the whole testing process. Finish viscosity measurementautomatically under controlling of computer and output testresults to screen. They can be used to measure viscousresistance and absolute viscosity of liquid, and widely applied inthe field of petri chemistry, medicine, food, light industry, textile industry, scientific research, etc.

Features

Small size, good stability, high precision and good antiinterference.

With Biuged patents, enable multiple sampling in one rotationOther competitor only sample one time in one rotation.

Rotate by high sub-division stepper motor driver, with accurate speed, low noise, stable movements. And the change of ACpower frequency don't influence viscosity measurements.

For thixotropic Non-Newton fluid, timing function of instrumentcan ensure to get a good consistent testing results.

Dirven by stepper motor directly, convenient to change speed display rotating speed clearly, good reliability and no shaking.

5 inch high definition touch scree display viscosity, speed, torque percentage, max. measurement range under currentrotor and speed.

Display continuous change of viscosity Alarm for over measuringrange.

Linear Calibration to full range by computer, measurementprecision is $\pm 1.0\%$ of full range.

Switching adapter, wide range power supply input 100V~240V for good anti-interference

Anti-static shell and PC material lifting pole

Durable new design with small shaft

ARM chip processor, processing data more quickly

Convert freely between various viscosity units , dynamic viscosity convert kinematic viscosity automatically

Accompanied with detailed operation instruction and correction function for viscosity coefficient.

Calibrated by user

Technical Specification

- Small size, good stability, high precision and good anti-interference.

Touch-Screen Rotary Viscometer, 10~100,000 mPa.s**BGD 152-1S**

- With Biuged patents, enable multiple sampling in one rotation. Other competitor only sample one time in one rotation.
- Rotate by high sub-division stepper motor driver, with accurate speed, low noise, stable movements. And the change of AC power frequency don't influence viscosity measurements.
- For thixotropic Non-Newton fluid, timing function of instrument can ensure to get a good consistent testing results.
- Driven by stepper motor directly, convenient to change speed , display rotating speed clearly, good reliability and no shaking.
- 5 inch high definition touch scree display viscosity, speed, torque percentage, max. measurement range under current rotor and speed.
- Display continuous change of viscosity Alarm for over measuring range.
- Linear Calibration to full range by computer, measurement precision is $\pm 1.0\%$ of full range.
- Switching adapter, wide range power supply input 100V-240V for good anti-interference
- Anti-static shell and PC material lifting pole
- Durable new design with small shaft
- ARM chip processor, processing data more quickly
- Convert freely between various viscosity units , dynamic viscosity convert kinematic viscosity automatically
- Accompanied with detailed operation instruction and correction function for viscosity coefficient.
- Calibration by user
- Supplied with RTD temperature sensor to monitor sample temperature in real time.
- Supplied with RS 232 interface, can print measuring data by mini-printer with less labor.

Touch-Screen Rotary Viscometer, 10~100,000 mPa.s

BGD 152-1S

Main Technical Parameters

Rotors: 4 rotors: No.1 No.2 No.3 No.4

Measuring Range

- BGD 152/1S: 10 100 000 500 mPa.s
- BGD 152/2S: 10 2 000 000 10 mPa.s

Rotation speed

- BGD 152/1S----6r/min,12r/min,30r/min,60r/min
- BGD 152/2S----0.3 r/min , 0.6 r/min,1.5 r/min,3r/min, 6r/min,12r/min,30r/min,60r/min

Measurement Precision: ± 1.0 % of full range Newtonian fluids

Measurement Repeatability: ± 0.5 % of full range Newtonian fluids

Electrical Power: 220V/50Hz

Weight: 10Kg

Dimensions 308mm×300mm×450mm. L×W×H

Others: Direct Digital display rotate speed, the type of rotors, results

Ordering Information

- **BGD 152/1S: Intelligent Touch-screen Rotary Viscometer 10-100,000mPa.s**
- **BGD 152/2S: Intelligent Touch-screen Rotary Viscometer 10-2,000,000mPa.s**

Disclaimer

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development