

Touch-screen Rotary Viscometer 10~2,000,000 mpas

BGD 152-2S

Product Description

Intelligent Touch-screen Rotary Viscometers are upgraded from old digital viscometers. They are equipped a 5 inch touch screen with a powerful human-machine interface , easy to use and can show many testing parameters. They use a MCS-51 series computer to constantly control the rotation speed and the whole testing process.

Finishes viscosity measurement automatically under controlling of computer and output test results to screen. They can be used to measure viscous resistance and absolute viscosity of liquid, and widely applied in the field of petri chemistry, medicine, food, light industry, textile industry, scientific research, etc.



Technical Specification

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

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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 1000 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

Dimensions308mm×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 Viscometer10-100,000mPa.s**
- **BGD 152/2S: Intelligent Touch-screen Rotary Viscometer 10-2,000,000mPa.s**

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