

Touch-screen Rotary Viscometer 10-2,000,000 mPa.s

BGD 162-2

Product Description

BGD 162 New Intelligent Touch-screen Rotary Viscometers represent the latest advancement in technology, leveraging the power of innovation. In comparison to other rotary viscometers, the BGD 162 offers enhanced stability, precision, and ease of operation.

- 7-inch high-definition colorful touch screen, providing comprehensive information such as viscosity, speed, torque percentage, and maximum measurement range under the current rotor and speed, facilitating easy operation
- Designed with a special buckle to simplify the disassembly or installation of rotors, reducing damage to the small shaft and enhancing durability
- Toughened glass base for effortless cleaning
- User-friendly calibration process, eliminating the need to return the viscometer to the manufacturer.
- Incorporates various patents allowing for multiple sampling in one rotation, unlike competitors which only sample once per rotation
- Utilizes a high sub-division stepper motor driver for precise speed control, minimal noise, and stable movements, unaffected by changes in AC power frequency
- Features a timing function for thixotropic Non-Newtonian fluids to ensure consistent testing results
- Directly driven by a stepper motor for convenient speed adjustments, reliability, and minimal shaking
- Displays continuous viscosity changes and provides an alarm for over-measuring range
- Linear Calibration to full range by computer, offering a measurement precision of $\pm 1.0\%$ of full range



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Technical Specification

- Equipped with a switching adapter for wide range power supply input (100V-240V), ensuring good anti-interference
- Features an anti-static shell and a lifting pole made of PC material
- Durable new design with a small shaft
- Employs an ARM chip processor for faster data processing
- Built-in high-precision electronic spirit levels allow users to monitor the level in real-time through the screen
- Enables seamless conversion between various viscosity units, automatically converting dynamic viscosity to kinematic viscosity
- Includes detailed operation instructions and a correction function for viscosity coefficient

Specifications:

- Rotors: No.1, No.2, No.3, No.4 (No.0 is optional)
- Measuring Range: 10 to 2,000,000 mPa.s
- Rotate Speed: 6r/min, 12r/min, 30r/min, 60r/min
- Measurement Precision: $\pm 1.0\%$ of full range (Newtonian fluids)
- Measurement Repeatability: $\pm 0.5\%$ of full range (Newtonian fluids)
- Electrical Power: 220V/50Hz
- Weight: 10 KG
- Dimensions: 308mm \times 300mm \times 450mm (L \times W \times H)

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Main Technical Parameters

Ordering Information: BGD 162/2 - New Intelligent Touch-screen Rotary Viscometer

Disclaimer

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