

# Touch-screen Rotothinner

## BGD 180

### Product Description

The BGD 180 Touch-screen Rotothinner is a user-friendly rotary viscometer designed for simplicity and accuracy in viscosity measurements.

It is utilized to assess sample viscosity characteristics under three distinct shearing rates (20*S-I*, 44*S-I*, 200*S-I*), and can also determine viscosity variations over time under constant shear. This device adheres to ISO 2884-2 (Paints and varnishes - Determination of viscosity using rotary viscometers- Part 2: Disc or ball viscometer operated at a specified speed) and BS 3900 A7 standards.



### Standards

- ISO 2884-2
- BS 3900 A7

### Technical Specification

Equipped with three spindles catering to varying measuring ranges:

- No.1 Disc Spindle: for viscosities up to 1.5 Pa s (1,500 mPa s) at an average shear rate of approximately 200/ with a Newtonian fluid
- No.2 Big Ball Spindle: for viscosities up to 6.5 Pa s (6,500 mPa s) at an average shear rate of approximately 44/ with a Newtonian fluid
- No.3 Small Ball Spindle: for viscosities up to 34 Pa s (34,000 mPa s) at an average shear rate of approximately 20/ with a Newtonian fluid

Includes a 250 ml standard container compliant with industry standards, featuring an inner diameter of 74mm and a height of 74mm

Offers three reading modes: Manual, Holding max. value, and Timing reading

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### **Main Technical Parameters**

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- Range: 0~34Pa.s (0~34000 mPa.s)
- Accuracy:  $\pm 1.0\%$  of full scale range
- Repeatability:  $\pm 0.5\%$  of full scale range
- Paddle Speed: 562 rpm  $\pm 2\%$
- Container Capacity: 250ml
- Power Supply: 220V 50Hz
- Overall Dimensions: 230mm $\times$ 180mm $\times$ 465mm (L $\times$ W $\times$ H)
- Net Weight: 3 KG

**Ordering Information:** BGD 180 - Intelligent Touch-screen Rotothinner

### **Disclaimer**

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