

Intelligent Touch-screen Rotothinner

BGD 180 Intelligent Touch-screen Rotothinner is a simple, easy-to-use rotary viscometer, it is used to measure sample viscosity character under three different shearing rates ($20S^{-1}$, $44S^{-1}$, $200S^{-1}$), and also can be used to measure viscosity character of same sample depending shearing time.

It complies with 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 etc.

Features

◆ Comes with three spindles as below, meets different measuring ranges:

No.1 Disc Spindle: for use with viscosities up to $2.2 Pa \cdot s$ (2,200 mPa · s), with an average shear rate of approximately $200S^{-1}$ with a Newtonian fluid.

No.2 Big ball Spindle: for use with viscosities up to $7.5 Pa \cdot s$ (7,500 mPa · s), with an average shear rate of approximately $44S^{-1}$ with a Newtonian fluid.

No.3 Small ball Spindle: for use with viscosities up to $35 Pa \cdot s$ (35,000 mPa · s), with an average shear rate of approximately $20S^{-1}$ with a Newtonian fluid.

◆ 250 ml Standard container which complies with standard requirements: Inner diameter is 74mm, Height is 74mm

◆ Three reading modes: Manual, Holding max. value and Timing reading

Main Technical Parameters:

- ★ Range: $0 \sim 35 Pa \cdot s$ ($0 \sim 35,000 mPa \cdot s$)
- ★ Accuracy: $\pm 1.0\%$ of full scale range
- ★ Repeatability: $\pm 1.0\%$ of full scale range
- ★ Paddle Speed: 562 rpm $\pm 2\%$
- ★ Container Capacity: 250ml
- ★ Power Supply: 110V/220V 50/60Hz
- ★ Overall Dimensions: 270mm \times 220mm \times 510mm (L \times W \times H)
- ★ Net Weight: 10KG
- ★ **Ordering Information:**
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Rotors