

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 $2.2 Pa \cdot s$ ($2,200 mPa \cdot s$), with an average shear rate of approximately $200S^{-1}$ with a Newtonian fluid.
 - No.2 Big ball Spindle:** for use with viscosities up to $7.5 Pa \cdot s$ ($7,500 mPa \cdot s$), with an average shear rate of approximately $44S^{-1}$ with a Newtonian fluid.
 - No.3 Small ball Spindle:** for use with viscosities up to $35 Pa \cdot s$ ($35,000 mPa \cdot s$), 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 x W x H)
★ Net Weight: 10KG
★ Ordering Information:
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Rotors



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