

Programmable Touch-screen Viscometer (Rheometer)

BGD 157 and BGD 158 series Programmable Viscometers are very helpful for R&D researchers, besides can measure the sample viscosity under a certain speed and rotor, operator can set different shear rate, shear stress to fully know the sample rheological behavior.

Features

- ◆ Display sample shear rate and shear stress
- ◆ Continuous viscosity testing and sound alarm when beyond measurement range
- ◆ 7 inch high definition touch screen, easy to operate and display rich information. Powerful human-machine interface and various humanized operation menu for conversion.
- ◆ Anti-static shell and PC material lifting pole
- ◆ Build-in temperature probe RTD
- ◆ ARM chip processor: higher data processing speed
- ◆ New designed durable small axles
- ◆ Come with a gigabit ethernet interface to transfer data, reliable and quick.
- ◆ Come with USB interface, support operate to save measurement through external disk U: single point, continuous and timed saving ways for option.
- ◆ Come with RS 232 interface, can print measuring data by mini-printer with less labor.
- ◆ Calibrated by user, temperature and viscosity correction factor are protected by password, also can be modified by user when they have reliable and accurate data.
- ◆ Convert freely between various viscosity units, dynamic viscosity convert kinematic viscosity automatically
- ◆ Linear calibration by a computer
- ◆ Power supply: 100V-240V, powerful anti-interference
- ◆ Accompanied with detailed operation instruction
- ◆ Professional BGD 1608 programmed analyse software for option, can display sample rheological curve

Main Technical Parameters:

Ordering Information → Parameters ↓	BGD 157/S	BGD 158/S
Measurement Range (mPa.s)	BGD 157/1S:1-2M BGD 157/2S:100-13M BGD 157/3S:200-26M BGD 157/4S:800-104M	BGD 158/1S:0.5-6M BGD 158/2S:20-40M BGD 158/3S:50-80M BGD 158/4S:200-320M
R.P.M (per min)	0.3-100	0.1-250
Rotor Amount	BGD 157(8)/1 : four rotors---No.1, No.2, No.3, No.4 (#0 is optional) BGD 157(8)/2、BGD 157(8)/3、BGD 157(8)/4: six rotors ---No.2, No.3, No.4, No.5, No.6, No.7 (No.0 and No.1 for option)	
Measurement Accuracy	± 1.0% (of the full range)	
Repeatability	± 0.5% (of the full range)	
Power Supply	Power Supply Adapter (input 110/220V; 50 /60Hz; output 15V 1.2A)	
Optical Accessories	BGD 1601---Low viscosity adapter (No.0 rotor) BGD 1602---Small sample adapter (comes with NO.21、NO.27、NO.28、NO.29, and the max. measure range would be reduce one-sixth) BGD 1603---Mini single color printer BGD 1608---Viscometer data collection and programmed analyses software	

(M=1million)

