

Cone & Plate Viscometer (900 rpm)

BGD 159-3

Product Description

BGD 159 series Cone and Plate Viscometers

Most of paint and coatings are non-Newtonian fluids, its viscosity would show typical changes when applied with roller, brush or spray gun under high shear rates.

Our Cone and Plate Viscometers designed by ISO 2884, ASTM D 4287 and BS 3900, can offer from $10,000\text{S}^{-1}$ to $12,000\text{S}^{-1}$ shear rates.



Standards

ISO 2884, ASTM D 4287 and BS 3900

Technical Specification

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- 7 inch touch screen with powerful userfriendly interactive interface and rich information, easy to operate
- Interchangeable cones, simple to install and easy to clean
- Choice of shear rate. Standard speeds include 750 and 900 rpm to provide shear rate at $10,000 \text{ sec}^{-1}$.
- Only need small sample amount < 1 mL , simplifies testing
- Built-in PT100 temp. probe
- ARM chip processor and Gigabit Ethernet port ensure higher data processing speed and rapid& stable data transfer
- New designed durable axle, anti-static shell and metal lifter
- Supplied with heating and temp. control system, can set sample plate temperature from -1°C to 150°C or 5°C to 150°C
- Variety of viscosity units and auto switch between dynamic and kinematic viscosity
- Calibration by user temperature and correction factor protected by password

How to select a suitable Viscometer?

1. Specify one speed or shear rate if this is required for your method.
2. Indicate viscosity range.
3. Select the temperature range that best suits your application: -1°C to 150°C or 5°C to 150°C
4. Choose from 10 cones for multiple viscosity ranges

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Main Technical Parameters

Ordering Information →	BGD 159/1	BGD 159/2	BGD 159/3	BGD 159/4
Parameters ↓	400 RPM -1°C~150°C	750 RPM -1°C~150°C	900 RPM -1°C~150°C	(@5-1000 RPM 5°C~150°C
Cone No.: CAP-01 Shear Rate: 13.3N Sample Volume: 67µL	37.5-460 mPa.s	25-250 mPa.s	20-200 mPa.s	20-37,500 mPa.s
Cone No.: CAP-02 Shear Rate: 13.3N Sample Volume: 38µL	75-930 mPa.s	50-500 mPa.s	40-400 mPa.s	40-75,000 mPa.s
Cone No.: CAP-03 Shear Rate: 13.3N Sample Volume: 24µL	150-1,870 mPa.s	100-1,000 mPa.s	200-2,000 mPa.s	800-150,000 mPa.s
Cone No.: CAP-04 Shear Rate: 3.3N Sample Volume: 134µL	300-3,750 mPa.s	200-2,000 mPa.s	400-4,000 mPa.s	100-300,000 mPa.s
Cone No.: CAP-05 Shear Rate: 3.3N Sample Volume: 67µL	600-7,500 mPa.s	400-4,000 mPa.s	300-3,000 mPa.s	300-600,000 mPa.s

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Cone No.: CAP-06 Shear Rate: 3.3N Sample Volume: 30µL	1,500-18,700 mPa.s	1,000-10,000 mPa.s	800-8,300 mPa.s	800-1,500,000 mPa.s
Cone No.: CAP-07 Shear Rate: 2.0N Sample Volume: 1700µL	78-781 mPa.s	N/A	N/A	78-62,500 mPa.s
Cone No.: CAP-08 Shear Rate: 2.0N Sample Volume: 400µL	313-3,130 mPa.s	N/A	N/A	313-250,000 mPa.s
Cone No.: CAP-09 Shear Rate: 2.0N Sample Volume: 100µL	1,250-12,500 mPa.s	N/A	N/A	1250-1,000,000 mPa.s
Cone No.: CAP-010 Shear Rate: 5.0N Sample Volume: 170µL	100-1,000 mPa.s	N/A	N/A	100-100,000 mPa.s

Accessoires

- CAP-SERIES 1-6 - Cone & Plate Viscometer Spindle CAP-Spindles 1-6

Disclaimer

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of

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experience and our policy of continuous product development