

Shanghai Dobetter Instrument & Equipment Co.,Ltd

Rotary Viscometers

Company Profile



Shanghai Dobetter Instrument & Equipment Co.,Ltd is a high-tech corporation who specializes in R&D, sales and service of intelligent and automated instruments in the analyzing fields of petrochemicals, asphalt and viscosity. Meanwhile we also provide quality lab solutions for our clients as per their different needs.

Our company mainly manage four kinds of products: petrochemical testing instruments, asphalt testing equipment, rotary viscometers and lab glassware. These products are widely used in the industrial fields such as oil fields, refineries, petroleum storage and transportation, chemical plants, power plants, machinery factories, steel works, metallurgic plants, pavement construction, automobile and aviation. At the same time, the rotary viscometers are also applied in the civilian fields such as foods, medicines and cosmetics. The products we supply are designed and manufactured as per both domestic and international standards such as GB,SH,JTG,ISO and ASTM. Our products are in good sales in the countries and areas like Germany, Japan, Australia, South Africa, Nigeria, Brazil, Argentina, Chile, Singapore, Malaysia, Saudi Arabia, UAE, Kuwait, Iran, Turkey , Thailand , Pakistan , India and Taiwan.

Our staff will maintain the philosophy of "Do better forever" to regard our customer' s needs as the first importance with enthusiastic, honest, meticulous, and efficient attitude. We will always devote ourselves to supplying the best instruments and equipment with quality service to customers worldwide. Dobetter staff welcome customers from any country to inquiry. We are looking forward to cooperating with you and creating the future together.



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NDJ Series of Viscometers

NDJ series of dial-type viscometers : Synchronous motor is equipped for stable rotation. Gear drives the speed regulation. Dial displays the reading. It is a kind of classic designed viscometer. The durability is good.



Model : NDJ-1

Main technical specifications and features

- 1) Measuring range (mPa.s) : $10 \sim 1 \times 10^5$
- 2) Rotating speed (r/min) : 6, 12, 30, 60
- 3) Spindles : L1, L2, L3, L4
- 4) Measuring precision (F-S) : $\pm 5\%$
- 5) Power supply : 100 ~ 240V/50 ~ 60Hz
A specialized adaptor is equipped.
- 6) Spindle L0 is optional for low viscosity test : Minimum 1mPa.s

NDJ series of digital viscometers : 16-bits microprocessor controls the circuit. No need to use gear driving. LCD screen displays viscosity, rotating speed, torque %, spindle number and max. viscosity under current rotating speed. Microprinter is optional for data printing.

Model : NDJ-5S

Main technical specifications and features

- 1) Measuring range (mPa.s) : $10 \sim 1 \times 10^5$
- 2) Rotating speed (r/min) : 6, 12, 30, 60
- 3) Spindles : L1, L2, L3, L4
- 4) Measuring precision (F-S) : $\pm 1\%$
- 5) Power supply : 100 ~ 240V/50 ~ 60Hz
A specialized adaptor is equipped.
- 6) Spindle L0 is optional for low viscosity test : Minimum 1mPa.s



Model : NDJ-8S

Main technical specifications and features

- 1) Measuring range (mPa.s) : $10 \sim 2 \times 10^6$
- 2) Rotating speed (r/min) (r/min) : 0.3, 0.6, 1.5, 3, 6, 12, 30, 60
- 3) Spindles : L1, L2, L3, L4
- 4) Measuring precision (F-S) : $\pm 1\%$
- 5) Power supply : 100 ~ 240V/50 ~ 60Hz
A specialized adaptor is equipped.
- 6) Spindle L0 is optional for low viscosity test : Minimum 1mPa.s



— SNB Series of Viscometers

SNB series of digital viscometers : The upgraded products of NDJ series. This series of viscometers have wider measuring ranges. The rotating speeds are continuously adjustable. A RTD temperature sensor is equipped for detecting sample temperature in real time. 《Data collecting, analyzing and drawing》 software is optional for data analyzing and processing. Microprinter is optional for data printing.



Model : SNB-1

Main technical specifications and features

- 1) Measuring range (mPa.s) : $10 \sim 6 \times 10^5$
- 2) Rotating speed (r/min) : 1~60
- 3) Spindles : L1, L2, L3, L4
- 4) Measuring precision (F-S) : $\pm 1\%$
- 5) Power supply : 100 ~ 240V/50 ~ 60Hz. A specialized adaptor is equipped.
- 6) Spindle L0 is optional for low viscosity test : Minimum 1mPa.s

Model : SNB-2

Main technical specifications and features

- 1) Measuring range (mPa.s) : $10 \sim 6 \times 10^6$
- 2) Rotating speed (r/min) : 0.1~100
- 3) Spindles : L1, L2, L3, L4
- 4) Measuring precision (F-S) : $\pm 1\%$
- 5) Power supply : 100 ~ 240V/50 ~ 60Hz. A specialized adaptor is equipped.
- 6) Spindle L0 is optional for low viscosity test : Minimum 0.6mPa.s



Model : SNB-3

Main technical specifications and features

- 1) Measuring range (mPa.s) : $100 \sim 8 \times 10^7$
- 2) Rotating speed (r/min) : 0.1~100
- 3) Spindles : L1, L2, L3, L4
- 4) Measuring precision (F-S) : $\pm 1\%$
- 5) Power supply : 100 ~ 240V/50 ~ 60Hz. A specialized adaptor is equipped.
- 6) Spindle L0 is optional for low viscosity test : Minimum 6mPa.s

Model : SNB-AI

Main technical specifications and features

- 1) Measuring range (mPa.s) : $50 \sim 6 \times 10^6$
- 2) Rotating speed (r/min) : 0.1~200
- 3) Spindles : 21, 27, 28, 29
- 4) Measuring precision (F-S) : $\pm 1\%$
- 5) Power supply : 100 ~ 240V/50 ~ 60Hz. A specialized adaptor is equipped.
- 6) Spindle L0 is optional for low viscosity test : Minimum 3mPa.s



DV Series of Viscometers

DV-1 series of digital viscometers : The most universal viscometers in the world. Beside all performance of SNB series of viscometers, DV series of viscometers have wider measuring ranges. 《DV program-controlled off-line downloading》 software is optional for downloading the customized measuring program to the viscometer to make a personalized operation.



Model : LVDV-1

Main technical specifications and features

- 1) Measuring range (mPa.s) : $12 \sim 6 \times 10^6$
- 2) Rotating speed (r/min) : 0.1~100
- 3) Spindles : L1, L2, L3, L4
- 4) Measuring precision (F-S) : $\pm 1\%$
- 5) Power supply : 100 ~ 240V/50 ~ 60Hz.
A specialized adaptor is equipped.
- 6) Spindle L0 is optional for low viscosity test : Minimum 0.6mPa.s

Model : RVDV-1

Main technical specifications and features

- 1) Measuring range (mPa.s) : $80 \sim 4 \times 10^7$
- 2) Rotating speed (r/min) : 0.1~100
- 3) Spindles : R2, R3, R4, R5, R6, R7
- 4) Measuring precision (F-S) : $\pm 1\%$
- 5) Power supply : 100 ~ 240V/50 ~ 60Hz.
A specialized adaptor is equipped.
- 6) Spindle L0 is optional for low viscosity test : Minimum 6mPa.s
- 7) Spindle R1 is optional for low viscosity test : Minimum 20mPa.s



Model : HBDV-1

Main technical specifications and features

- 1) Measuring range (mPa.s) : $640 \sim 32 \times 10^7$
- 2) Rotating speed (r/min) : 0.1~100
- 3) Spindles : R2, R3, R4, R5, R6, R7
- 4) Measuring precision (F-S) : $\pm 1\%$
- 5) Power supply : 100 ~ 240V/50 ~ 60Hz.
A specialized adaptor is equipped.
- 6) Spindle L0 is optional for low viscosity test : Minimum 50mPa.s
- 7) Spindle R1 is optional for low viscosity test : Minimum 160mPa.s

DV Series of Viscometers

DV-2 series of digital viscometers : The most universal viscometers in the world. Beside all performance of SNB series of viscometers, DV series of viscometers have wider measuring ranges. 《DV program-controlled off-line downloading》 software is optional for downloading the customized measuring program to the viscometer to make a personalized operation.



Model : LVDV-2

Main technical specifications and features

- 1) Measuring range (mPa.s) : $6 \sim 6 \times 10^6$
- 2) Rotating speed (r/min) : 0.1~200
- 3) Spindles : L1, L2, L3, L4
- 4) Measuring precision (F-S) : $\pm 1\%$
- 5) Power supply : 100 ~ 240V/50 ~ 60Hz.
A specialized adaptor is equipped.
- 6) Spindle L0 is optional for low viscosity test : Minimum 0.3mPa.s

Model : RVDV-2

Main technical specifications and features

- 1) Measuring range (mPa.s) : $40 \sim 4 \times 10^7$
- 2) Rotating speed (r/min) : 0.1~200
- 3) Spindles : R2, R3, R4, R5, R6, R7
- 4) Measuring precision (F-S) : $\pm 1\%$
- 5) Power supply : 100 ~ 240V/50 ~ 60Hz.
A specialized adaptor is equipped.
- 6) Spindle L0 is optional for low viscosity test : Minimum 3mPa.s
- 7) Spindle R1 is optional for low viscosity test : Minimum 10mPa.s



Model : HBDV-2

Main technical specifications and features

- 1) Measuring range (mPa.s) : $320 \sim 32 \times 10^7$
- 2) Rotating speed (r/min) : 0.1~200
- 3) Spindles : R2, R3, R4, R5, R6, R7
- 4) Measuring precision (F-S) : $\pm 1\%$
- 5) Power supply : 100 ~ 240V/50 ~ 60Hz.
A specialized adaptor is equipped.
- 6) Spindle L0 is optional for low viscosity test : Minimum 25mPa.s
- 7) Spindle R1 is optional for low viscosity test : Minimum 80mPa.s



— SNB-H Series of Viscometers

SNB-H series of viscometers : Mainly used to test samples which need to be heated. Such as bitumen, hot melt adhesive, polyethylene wax, etc. It can be used off line. The measuring data can be displayed on the LCD screen. 《Data collecting, analyzing and drawing》 software is optional for test monitoring and viscosity-temperature curver drawing in real time (for Model SNB-AIH). The heater adopts built-in whole type. The uniformity and durability are good.



Model : SNB-RH

Main technical specifications and features

- 1) Measuring range (mPa.s) : $50 \sim 2 \times 10^5$
- 2) Rotating speed (r/min) : 5, 10, 20, 50, 100
- 3) Spindles : 21, 27, 28, 29
- 4) Measuring mode : manual
- 5) Measuring precision (F-S) : $\pm 1\%$
- 6) Sample amount : 10~20ml
- 7) Temperature control range : Ambient~250°C
- 8) Temperature control precision : $\pm 0.1^\circ\text{C}$
- 9) It will alert if over the measuring range.



Model : SNB-AIH

Main technical specifications and features

- 1) Measuring range (mPa.s) : $50 \sim 10 \times 10^6$
- 2) Rotating speed (r/min) : 0.1~200
- 3) Spindles : 21, 27, 28, 29
- 4) Measuring mode : manual or automatic
- 5) Measuring precision (F-S) : $\pm 1\%$
- 6) Sample amount : 10~20ml
- 7) Temperature control range : Ambient~250°C
- 8) Temperature control precision : $\pm 0.1^\circ\text{C}$
- 9) It will alert if over the measuring range.

DV-H Series of Viscometers

DV-1H series of viscometers : Mainly used to test samples which need to be heated. Such as bitumen, hot melt adhesive, polyethylene wax, etc. It can be used off line. The measuring data can be displayed on the LCD screen. 《Data collecting, analyzing and drawing》 software is optional for test monitoring and viscosity-temperature curver drawing in real time. The heater adopts built-in whole heating type. The heating uniformity and durability are good.



Model : LVDV-1H

Main technical specifications and features

- 1) Measuring range (mPa.s) : $10 \sim 1 \times 10^6$
- 2) Rotating speed (r/min) : $0.1 \sim 100$
- 3) Spindles : 21, 27, 28, 29
- 4) Measuring precision (F.S) : $\pm 1\%$
- 5) Sample amount : 10~20ml
- 6) Temperature control range : Ambient~250°C
- 7) Temperature control precision : $\pm 0.1^\circ\text{C}$

Model : RVDV-1H

Main technical specifications and features

- 1) Measuring range (mPa.s) : $100 \sim 1 \times 10^7$
- 2) Rotating speed (r/min) : $0.1 \sim 100$
- 3) Spindles : 21, 27, 28, 29
- 4) Measuring precision (F.S) : $\pm 1\%$
- 5) Sample amount : 10~20ml
- 6) Temperature control range : Ambient~250°C
- 7) Temperature control precision : $\pm 0.1^\circ\text{C}$



Model : HBDV-1H

Main technical specifications and features

- 1) Measuring range (mPa.s) : $800 \sim 8 \times 10^7$
- 2) Rotating speed (r/min) : $0.1 \sim 100$
- 4) Measuring precision (F.S) : $\pm 1\%$
- 5) Sample amount : 10~20ml
- 6) Temperature control range : Ambient~250°C
- 7) Temperature control precision : $\pm 0.1^\circ\text{C}$



DV-H Series of Viscometers

DV-2H series of viscometers : Mainly used to test samples which need to be heated. Such as bitumen, hot melt adhesive, polyethylene wax, etc. It can be used off line. The measuring data can be displayed on the LCD screen. 《Data collecting, analyzing and drawing》 software is optional for test monitoring and viscosity-temperature curver drawing in real time. The heater adopts built-in whole heating type. The heating uniformity and durability are good.



Model : LVDV-2H

Main technical specifications and features

- 1) Measuring range (mPa.s) : $5 \sim 1 \times 10^6$
- 2) Rotating speed (r/min) : 0.1~200
- 3) Spindles : 21, 27, 28, 29
- 4) Measuring precision (F.S) : $\pm 1\%$
- 5) Sample amount : 10~20ml
- 6) Temperature control range : Ambient~250°C
- 7) Temperature control precision : $\pm 0.1^\circ\text{C}$

Model : RVDV-2H

Main technical specifications and features

- 1) Measuring range (mPa.s) : $50 \sim 1 \times 10^7$
- 2) Rotating speed (r/min) : 0.1~200
- 3) Spindles : 21, 27, 28, 29
- 4) Measuring precision (F.S) : $\pm 1\%$
- 5) Sample amount : 10~20ml
- 6) Temperature control range : Ambient~250°C
- 7) Temperature control precision : $\pm 0.1^\circ\text{C}$



Model : HBDV-2H

Main technical specifications and features

- 1) Measuring range (mPa.s) : $400 \sim 8 \times 10^7$
- 2) Rotating speed (r/min) : 0.1~200
- 4) Measuring precision (F.S) : $\pm 1\%$
- 5) Sample amount : 10~20ml
- 6) Temperature control range : Ambient~250°C
- 7) Temperature control precision : $\pm 0.1^\circ\text{C}$



Specialized Thermostat

Specialized thermostat for viscometers : Specially designed for our company's viscometers. Suitable to provide different test temperatures for samples. Microcomputer precisely controls the thermostatic system . International famous brand of Pt100 temperature sensor is equipped. Good quality stainless steel material is used for table-board, inner slot and tank body. The durability is good.



Model : CH-1015

Main technical specifications and features

- 1) Temperature control range : Ambient ~95°C
- 2) Temperature display resolution : 0.1°C
- 3) Temperature control precision : $\pm 0.05^\circ\text{C}$
- 4) Pump flow rate : 8L/min
- 5) Circulating mode : Inner or outer circulation, selectable
- 6) Volume : 15L
- 7) Dimension of slot : 215mm×180mm×200mm , 2 holes ($\Phi 74$)
- 8) Overall dimension : 310mm×430mm×470mm
- 9) Power supply : AC220V , 50Hz



Model : DC-0506

Main technical specifications and features

- 1) Temperature control range : -5 ~95°C
- 2) Temperature display resolution : 0.1°C
- 3) Temperature control precision : $\pm 0.05^\circ\text{C}$
- 4) Pump flow rate : 8L/min
- 5) Circulating mode : Inner or outer circulation, selectable
- 6) Volume : 6L
- 7) Dimension of slot : 150mm×150mm×150mm , 1 hole ($\Phi 74$)
- 8) Overall dimension : 340mm×400mm×670mm
- 9) Power supply : AC220V , 50Hz

Accessories for Viscometers

Accessories for viscometers : Customers can choose different spindles and accessories as per various test needs.

Spindles : L0~L5



Spindles : R1~R7



Spindles : 21~29



Small sample adapter



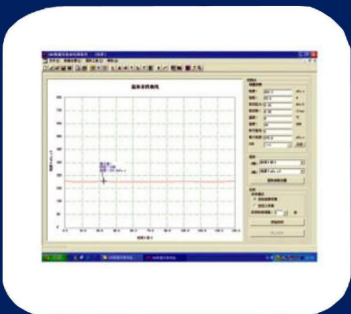
Low viscosity adaptor



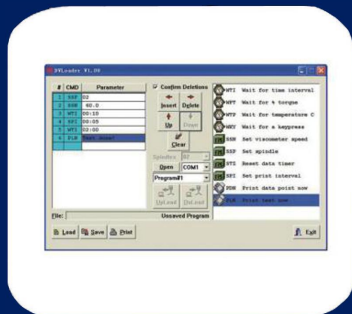
RTD sensor



Data&Drawing software



DV software



Microprinter





We can provide :

Professional viscosity test technology in all fields

We on do :

Better products with more efficient service



Based in China Serve the world

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