

High Temperature Viscometer

AVISHT



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► **Technical Advantages:**

- Hot melt adhesives, asphalt, wax, molten material testing equipment.
- Can be used alone, can also be connected mini printer and computer for data acquisition.
- The company's patent applications, to achieve a single rotating multiple sampling techniques.
- High subdivision drive stepper motor rotation speed accurate and stable AC voltage and frequency changes do not affect the accuracy of measuring viscosity.
- For thixotropic non-Newtonian liquids, get good timing function to ensure data consistency.
- Intelligent measurement. Automatically adjust the speed and reduce the use of difficulty.
- 0.1-200.0RPM stepless speed setting. LCD with blue backlight, direct display: viscosity, speed, percentage of total torque, maximum viscosity value of the rotor speed can be measured in the current, and temperature. Viscosity shows a continuous change. Beyond the measurement range of alarm prompted.
- Optional SNB data collection and graphics software for data acquisition and data analysis, for monitor the whole viscosity - temperature curve. Can also optional mini monochrome printer, to achieve timing print measurement data.
- Full scale, each file linearity, all through the computer interface measurement calibration, the measurement of performance, functionality to achieve the same type of foreign advanced level.
- 16-bit micro-processor core, high subdivision stepper motor drive, digital LCD with blue backlight.
- Different standards may be needed, an optional rotor.
- Optional Measurement Bureau needed reference material to calibrate viscometers, so test level with international standards.
- Frequent user of the heater, optional heater rapid cooling device to cool quickly, avoid long waits.

►► **Technical Indicators:**

- Viscosity measurement range :
50-10000000 (mPa • s / cP), standard rotor Quantity: 4 (21 #, 27 #, 28 #, 29 #). Optional No. 0 rotor measurement limit can to 5mPa.s/cP.
- Low viscosity measurement range :
5-1000000 (mPa • s / cP), standard rotor Quantity: 4 (21 #, 27 #, 28 #, 29 #). Optional No. 0 rotor measurement limit can to 1mPa.s/cP.
- Furnace temperature range: room temperature +10 °C -250 °C (accept custom). 4. Furnace Temperature accuracy: ±0.1 °C.
- Speed: 0.1 r / min -200.0 rev / min continuously variable transmission (no gear drive).
- Accuracy: ±1.0% (full scale).

►► **Optional Accessories:**

Ultra-low viscosity adapter (No. 0 rotor),

- Ideal for low viscosity materials, reduces measuring range to as low as 1cP
- Small sample size:30mL
- Stainless steel parts are easily cleaned
- Simple attachment to a standard viscometer
- Cylindrical geometry provides defined shear rates for detailed product analysis



Micro-printer

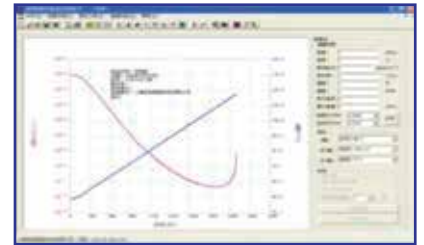
- Simple printer, very easy to operate
- Time to print measure information, including temperature, rotation speed, spindle, torque, viscosity.



SNB data collection and mapping software,

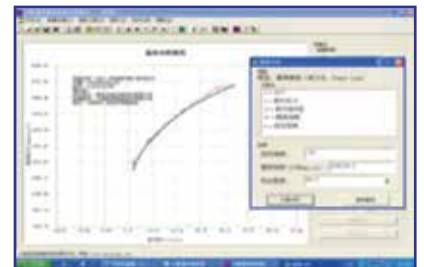
SNBGather Software

- Gather data automatically and Record it
- Support ten times historical data to compare
- Records Can be exported into Excel format



DVGather Software

- User can gather data and control viscometer
- Generated flow curves and save record each measurement
- Records Can be exported into Excel format
- Support ten times historical data to compare
- User can download custom program to viscometer
- Analysis curve to compute Yield stress,plastic viscosity etc.



Standard Oil

- Viscometer can be used for day-to-day accuracy of detection
- Standard Oil Specification
5cP, 200cP, 1000cP, 3000cP 6000cP, 10000cP, 30000cP 60000cP, 100000cP



Heater rapid cooling device

- V-72, V73, V74 Brookfield Vane Spindles

- V-71, V-75 Brookfield Vane Spindles



VANE SPINDLES			
SPINDLE	VANE LENGTH (in.)	VANE DIAMETER (in)	SHEAR STRESS PA (DYNE/CM ²)*
v-71	2.708	1.334	.5-5.0 90 (5-50)
v-72	1.406	.833	2-20 (20-200)
v-73	.998	.499	10-100 (100-1000)
v-74	.463	.232	100-1000 (1000-10000)

Spindle	Entry Code	LV	RV	HA	HB
V-71	71	2,456	26,200	52,400	459,600
V-72	72	10,404	111,000	222,000	888,000
V-73	73	50,146	535,000	1,070,000	4,280,000
V-74	74	508,954	5,430,000	10,860,000	43,4440,000

▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶ Reach us @



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