Rotary Viscometer

Professional, Rotational Viscometers

Direct Readout of all measurement parameters on an illuminated Liquid Crystal Display ● Data on screen: ● Speed selected: r.p.m. ● Spindle selected: S.P. ● Viscosity reading: cP (mPa-s) ● Percentage of full scale: SR -Shera stress (with special spindles): SS -Determination of relative viscosity and absolute viscosity compute yield stress ● Different menu options ● AUTO TEST of the equipment by scanning at different speeds, with audible and visual warning if it is not operating properly ● Temperature determinated by PT100 probe ● Viscosity reading: dynamic viscosity (cP or mPa-s) ● Data logger function of the obtained results when an experiment is performed. The equipment is supplied with Windows software which can dump the data obtained to a file in Excel format (.xls) for subsequent processing ● Determination of shear rate and shear stress with coaxial spindles ● The viscometer and the PT100 can be calibrated by the user ● Auto range function to determine the maximum viscosity with each spindle/speed combination ● It can work with a micro printer or window software... ● Ultra-sensitive front keyboard that allows easy input of all parameters.● "ERROR" message in the screen with sound alarm when the viscosity of the test material exceeds the full scale of the selected combination (SP/r.p.m.) ● Sound alarm if the equipment is working at under J 0% of selected full scale. ● The viscometer is equipped with many speeds, from 0.1 to 800 r.p.m. The user can select another different speed into this margin ● Safety protection against sudden rises in the power supply.

Model	Measuring Range	Fixed Speed in R.P.M
AVIS-LDV1P	2-2M cP	0.3-100
AVIS-RDV1P	100-13M cP	0.3-100
AVIS-HADV1P	200-26M cP	0.3-100
AVIS-HBDV1P	200-104M cP	0.3-100
AVIS-LDV2P	1-6M cP	0.1-200.0
AVIS-RDV2P	100-40M cP	0.1-200.0
AVIS-HADV2P	200-80M cP	0.1-200.0
AVIS-HBV2P	800-320M cP	0.1-200.0
AVIS-LDV3P	1-6M cP	0.1-250.0
AVIS-RDV3P	50-40M cP	0.1-250.0
AVIS-HADV3P	100-80M cP	0.1-250.0
AVIS-HBDV3P	400-320M cP	0.1-250.0

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AVIS-3079 Series, Double Cylinder Digital High Speed Viscometer

Feature:

DvGather Software is for optional ● Configurate RTD Temperature Probe ● Stepping Motor means Accurate, reliable operation ● Direct readout of all measurement parameters ● Auto Range Showing ● Time Function for measurement ● Sound alarm at under 20% Torque ● Linear calibration ● Wide range power supply: 100V-240V.

Application:

Starch Inks Latex Adhesives (Solvent base) ● Polymer Solutions Oils Paints and Coatings Solvents ● Cosmetisc Dairy Products Pharmaceuticals Juices, etc.

Optional Accessories:

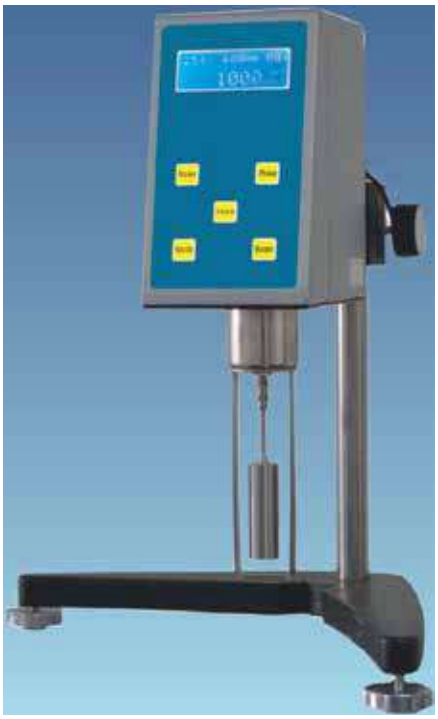
DvGather Software ● Circulating Water Bath ● Standard Oils ● Micro Printer.

Model	AVIS - 3079	AVIS - 3079A	AVIS - 3079B	AVIS - 3079P
Range(mPa.s	1-1M	1-1.5M	1-7.5m	1-75M
RPM	7.5, 75, 750	5-750 Step 10RPM	1-800 Step 10RPM	1-800
Temperature	0-120°C			
Spindles	E, F, G, The three spindles are with B container for high viscosity A, B, C, D, the four spindles are with A container for low viscosity			
Accuracy	± 1.0% of Range			
Repeatability	± 0.5%			

AVIS-3008, Digital Basic Rotary Viscometers

Direct readout of all measurement parameters on an illuminated Liquid Crystal Display ● Data on screen: ● Speed selected: Lp.m. ● Spindle selected: S.P. ● Viscosity reading: cP (mPa-s) ● Percentage of full scale: % ● Sample temperature: °C ● Temperature determinated by PT100 probe ● Viscosity reading: dynamic viscosity (cP or mPa-s) ● The viscometer and the PT100 can be calibrated by the user ● Auto range function to determine the maximum viscosity with each spindle/speed combination ● It can work with a micro printer ● Ultra-sensitive front keyboard that allows easy input of all parameters

Rotary Viscometer



● "ERROR" message in the screen with sound alarm when the viscosity of the test material exceeds the full scale of the selected combination (SP/r.p.m.) ● Sound alarm if the equipment is working at under 20% of selected full scale ● The viscometer is equipped with many pre-sets speeds, from 0.3 to 100 r.p.m ● Safety protection against sudden rises in the power supply ● English language options ● Direct reading in cP (mPa-s).

Accuracy	± 1% of the full scale
Resolution	Using LCP (Low Viscosity Adapter): 0.01, When viscosity is lower than 10,000 cP:1, When viscosity is equal or higher than 10,000 cP:1
Repeatability	0.5%
Temperature Range	from 0.0°C to + 100.0°C
Resolution	0.1°C
Accuracy	±0.1°C
Type of Probe	PT 100
Outputs	Computer interface RS232, Micro Printer
Power	All Models are Supplied with 85/265 VAC
Net Weight	4 kg

Model	Measuring Range	Fixed Speed in R.P.M
AVIS-3008	10-2,000,000 cP	0.3,0.6,1.5,3,6,12,30,60

AVIS-S1/S2/S3/AI, Digital Rotary Viscometers, Without Limits

Direct readout of all measurement parameters on an illuminated Liquid Crystal Display ● Data on screen: ● Speed selected: r.p.m. ● Spindle selected: S.P. ● Viscosity reading: cP (mPa-s) ● Percentage of full scale: % ● Sample temperature: °C ● Temperature deterrninated by PT100 probe ● Viscosity reading: dynamic viscosity (cP or mPa-s) ● The viscometer and the PT100 can be calibrated by the user ● Auto range function to determine the maximum viscosity with each spindle/speed combination ● It can work with a micro printer ● Ultra-sensitive front keyboard that allows easy input of all parameters ● “ERROR” message in the screen with sound alarm when the viscosity of the test material exceeds the full scale of the selected combination (Slvr.p.m.) ● Sound alarm if the equipment is working at under 20% of selected full scale ● The viscometer is equipped with many pre-sets speeds, from 0.1 to 100 r.p.m ● Safety protection against sudden rises in the power supply ● English language options ● Direct reading in cP (mPa-s).

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Accuracy	± 1% of the full scale
Resolution	Using LCP (Low Viscosity Adapter): 0.01, When viscosity is lower than 10,000 cP:1, When viscosity is equal or higher than 10,000 cP:1
Repeatability	0.5%
Temperature Range	from 0.0°C to + 100.0°C
Resolution	0.1°C
Accuracy	±0.1°C
Type of Probe	PT 100
Outputs	Computer interface RS232, Micro Printer
Power	All Models are Supplied with 85/265 VAC
Net Weight	4 kg

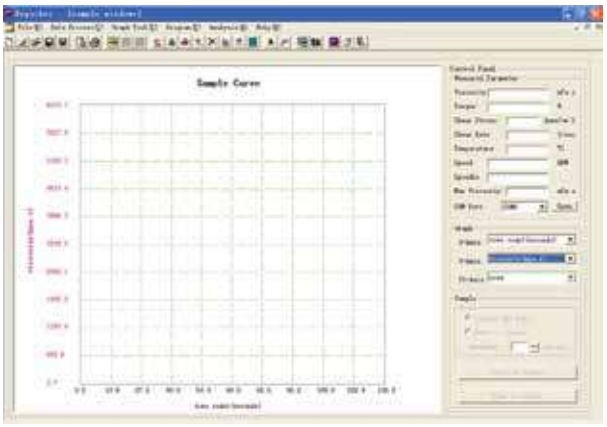
Model	Measuring Range	Fixed Speed in R.P.M
AVIS-S1	10-600,000 cP	1-60(nonpolar shift)
AVIS-S2	10-6,000,000 cP	0.1-99.9
AVIS-S3	10-80,000,000 cP	0.1-99.9
AVIS-AI	10-1,000,000 cP	0.1-200.0

Accessories

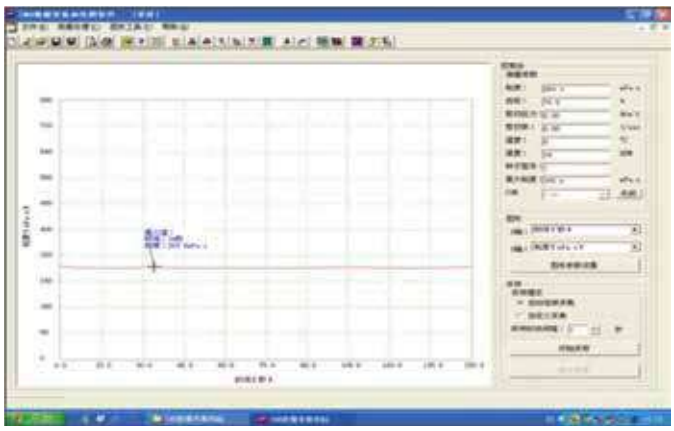
AVIS Accessories

Micro Printer	Low Viscosity Adapter	RTD Temperature ProbLow
		
Small Sample Adapter	**Thermosel**	**Circulating Water Bath (Model: DC-0506**
		

PRO Series Gather Software



AVIS-S1/S2/S3/AI Gather Software



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