

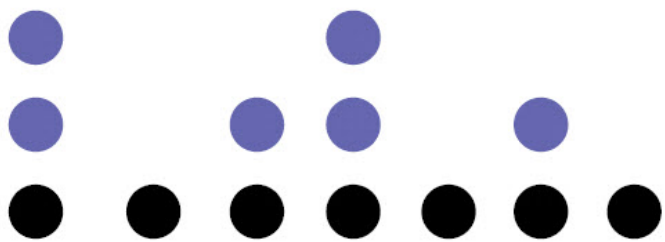
Rheosys

Instruments for Research and Quality Control

Rheosys LLC.
1800 E. State St Suite
155
Hamilton NJ 08609
USA

Tel. 210.568.9300
Fax. 210.568.7454
Sales@rheosys.com

www.rheosys.com



Analytical Instruments

Rheometers. Viscometers. Temperature Controllers.

Rheosys

A Powerful & Versatile Rheometer With Intuitive, Sophisticated Windows Software & Precision Thermoelectric Temperature Control.



Merlin VR Programmable Rheometer

The MERLIN VR is a high performance Rheometer capable of both steady shear and yield stress testing in a rugged, compact size footprint.

Designed for performing both routine rheological tests like single point viscosity checks for QC, to complex rheological evaluation for R&D, the MERLIN VR is ideal for investigating the mixing, stirring, and process flow characteristics of fluid systems.

The unit comes standard with built in Peltier Temperature Control for all measuring systems. Cone and plate, parallel plate and concentric cylinder measuring systems are included.

The MERLIN VR is interfaced and controlled with our powerful Windows based software “micra”.

Technical Specifications

Angular Velocity	0.01 to 200 rad/s
Shear Rate Range	Measuring System Dependent
Torque Range	0.001 to 20 mNm
Shear Stress Range	Measuring System Dependent
Temperature Range	-10 to 120 °C
User Selectable Speeds	20,000 discrete steps
Measuring Systems Included	Cone & Plate, Parallel Plate, and Co-Axial Cylinders



Features

- ▶ Real time display of test values
- ▶ Automated program control using “Test Definition” windows to rapidly create multiple step experiments
- ▶ Provides instantaneous viscosity flow curves
- ▶ Interactive graphing allows full control over displayed, printed, and plotted variables
- ▶ User enterable data sets and data comparison
- ▶ Simple data exportation through Windows Clipboard
- ▶ On-line, intuitive Help System

The New VISCOPro+. High-Performance Rotational Viscometer for Research and Quality Control.



VISCOPro+ Programmable Viscometer

The ViscoPro+ Viscometer is a high performance rotational viscometer capable of both steady shear and yield stress testing. The ViscoPro+ can be interfaced and controlled with our Windows based research software "micra", turning the ViscoPro+ into a fully featured Rheometer.

Combined with the High Temperature Melts Cell option (Image below), the VISCOPro+ can be used to measure high temperature materials such as polymer melts and asphalt cements.



Technical Specifications

Angular Velocity	0.01 to 100 rad/s
Shear Rate Range	Measuring System Dependent
Torque Range	0.001 to 10 mNm
Shear Stress Range	Measuring System Dependent
Temperature Range	Temperature Option Dependent
User Selectable Speeds	10,000 discrete steps
Measuring Systems Included	25mm & 14mm Co-Axial Cylinders

Features

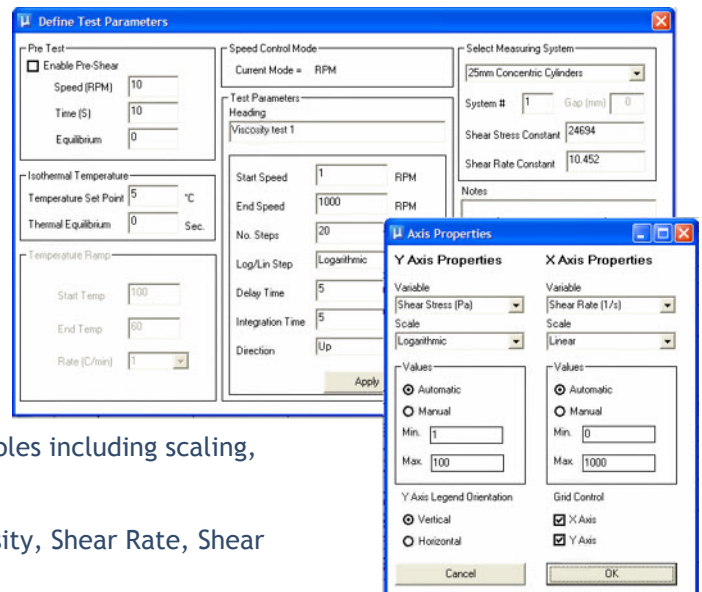
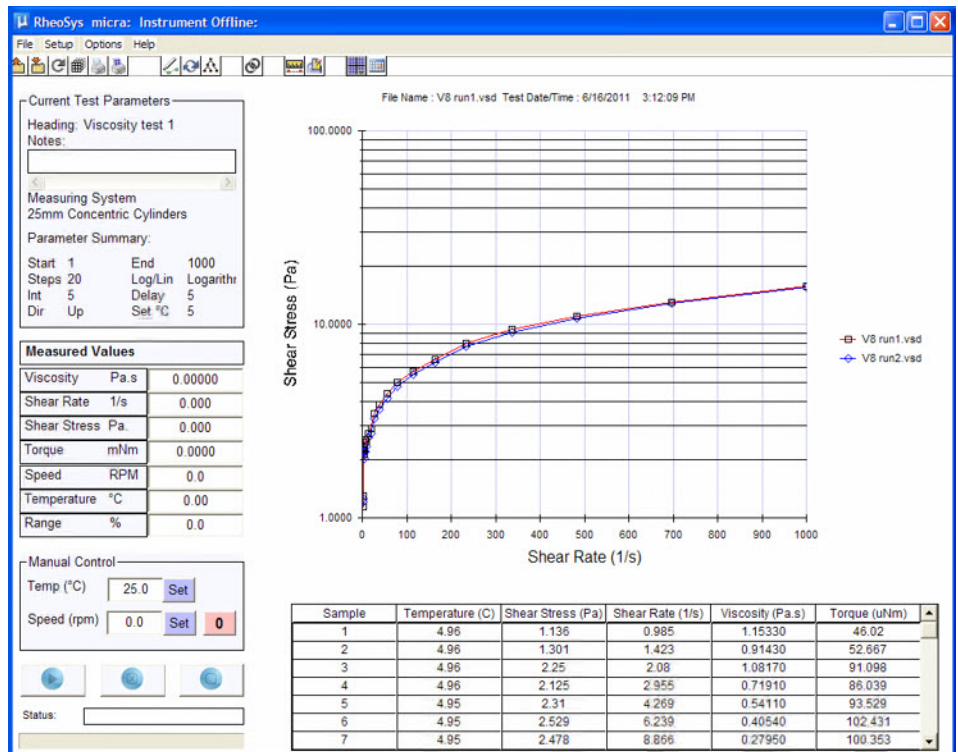
- ▶ Continuous Torque Sensing
- ▶ Quick release measuring system coupling
- ▶ 10,000 speeds
- ▶ Stand alone operation or PC Control
- ▶ Customizable LCD display
- ▶ Wide torque range up to 10mNm
- ▶ Wide speed range 0.1 to 1000 RPM
- ▶ High temperature Melts option. 50 - 350° C for evaluation of Polymer melts, asphalt cements etc.

Automate sample testing by using our powerful Windows software. Micra can analyze data, generate plots to compare tests, and more.



Features & Benefits

- Automates data collection.
- Creates a permanent record of each test.
- Comparison data sets can be entered.
- Add or remove variables from plot & table.
- Copy Graph or table to clipboard.
- Real time values displayed for % Torque Range, Torque (uNm), RPM, Viscosity, Shear Rate, Shear Stress, Temperature.
- Primary screen allows quick single point viscosity determination.
- Automated program control using the "test definition" window to rapidly create multiple step tests.
- User selectable Signal averaging options.
- Interactive Graph allows full control over displayed variables including scaling, symbol, color, view/hide data, Grid lines.
- Plot data available: % Torque, Torque (uNm), RPM, Viscosity, Shear Rate, Shear Stress, Temperature, Time, Sample.



For more information please visit our web site: www.rheosys.com

Or contact us at:

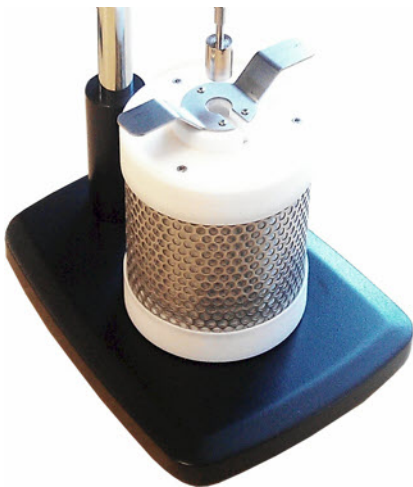
Rheosys LLC, 1800 E. State St, Suite 155
 Hamilton NJ 08609. USA
 Tel. 210.568.9300 Fax. 210.568.7454

Accessories

Rheosys provides a wide range of measuring systems and accessories to make any viscosity measurement easy in the laboratory.

High Temperature Melts Cell Option (up to +300 °C)

Designed for viscosity measurements of hot melts and liquids at elevated temperatures. Maintaining accurate temperature control sample to sample so meaningful data can be obtained.



Newtonian Standard Oils

Silicone Standard Oil's provide a convenient, reliable way to verify the calibration of your Laboratory Viscometer or Rheometer. Silicone fluids are less temperature sensitive than oil fluids.



For more information please contact:

Customer Support : Rheosys LLC, 1800 E. State St, Suite 155
Hamilton NJ 08609. USA

Tel. 210.568.9300 Fax. 210.568.7454 Support@rheosys.com

Rheosys LLC

1800 E.State Street Suite 155 Hamilton NJ 08609 Tel: (210) 568 9300 Fax: (210) 568 7454 admin@rheosys.com

www.rheosys.com