

DV2TRV MAGNETIC HEATER SOFTWARE COMBO

our most versatile continuous sensing viscometer

5.7-inch Full Color Touch Screen Display

- New User Interface
- Enhanced Controls
- Real Time Trend Indicator
- Supports Multiple Languages

Displayed Info:

- Viscosity (cP or mPa•s)
- Temperature (°C or °F)
- Shear Rate/Stress
- % Torque
- Speed/Spindle
- Step Program Status

Enhanced Security

- Customizable User Access
- Date and Time Stamp File
- Password Access
- Portable Log-in Settings

Built-in Options

- Timed Tests
- Data Averaging
- Programmable QC Limits/Alarms
- Customizable Speed/Spindle Lists
- Test Based User Instructions
- On Screen Data Comparison

Auto Range Showing

Maximum viscosity measured with Spindle/Speed combination

USB PC Interface provides optional computer control and automatic data gathering capability



Thermo Container
(Heating Chamber)



What's Included?

- Instrument
- 6 spindles (RV/HA/HB)
- PG Flash Software **E**
- RTD Temperature Probe
- Spindle Guard Leg*
- Lab Stand (Model G)
- Convenience Pack
- Cleaning Cloth, Screen Protectors
- Carrying Case
- *Not applicable to HA or HB torque models

Convenient Bubble Level

Download custom test programs

with PG Flash Software
(included with instrument)

Accuracy: ±1.0% of range

Displayed with test data

Repeatability: ±0.2%

Built-in RTD Temperature Probe

Internal Data Storage: 150 MB

VISCOSITY RANGE SPEEDS cP(mPa•s) (200 available)

MODEL	Min.	Max.	RPM	Number of Increments
DV2TRV+MAG+H+S	100††	40M	.1-200	200

† 1 cP achieved with UL Adapter accessory. 15 cP on LV with standard spindles.
†† Minimum viscosity is achieved with optional RV/HA/HB-1 spindle.
M = 1 million cP = Centipoise mPa•s = Millipascal•seconds

DV2TRV= INSTRUMENT
MAG= MAGNETIC SPINDLE
H= HEATER ASSAMBLY
S= RHEOCAL SOFTWARE

DV2TRV MAGNETIC HEATER SOFTWARE COMBO

Our most versatile continuous sensing viscometer

Compatible with standard AMETEK Brookfield Viscometers and DV3T Rheometers

Note: requires optional cable DVP-141

Provides control of sample temperature up to +300°C

EZ-Lock Option

Thermosel is now available with special EZ-Lock spindle coupling for use on standard

Temperature Ramping

between set points is possible if used with RheocalcT (DV3T & DV2T) Software

Note: Requires optional cable HT-106

Computer Controlled when used with DV2T or DV3T and RheocalcT Software (HT-106 cable required)

Programmable Temperature

Controller offers single set point or up to 10 programmable set points.

Direct Temperature Control Possible

with DV2T/DV3T Rheometer

What's Included?

- Choice of one SC4 Spindle
Specify when ordering
- Alignment Bracket
- Thermo Container with safety guard and insulating cap
- 1 Removable Sample Chamber(p47)
- 5 Disposable Sample Chambers(p47)
Order additional chambers in quantities of 100, HT-2DB-100
- 18" Lab Stand Rod (p35)
- Extracting Tools
- Temperature Controller with an RTD probe

RheocalcT Software

GET TOTAL CONTROL OF YOUR INSTRUMENT AND TEST PARAMETERS

Automatically control the instrument and collect data with RheocalcT running on a dedicated PC with USB interface. RheocalcT can analyze data, generate multiple plot overlays, print tabular data, run math models and perform other time-saving routines. Up to five comparison data sets can be plotted and saved. Other features include Wizards to guide you through the creation of common tests

Yield Testing, alone, or in conjunction with other viscosity measurements

Secure 21CFR features including multiple logins, access levels, digital signatures,

and data storage in a password-protected database

Looping functions for repetitive tasks

Averaging of collected data by individual step or whole test

Math models: Bingham, Casson, Power Law, Herschel-Bulkley

Export data to Excel® file format

Create data reports in PDF format

Applications

- Hot Melts
- Asphalt (ASTM D4402)
- Wax
- Polymers

The difficulty with viscosity measurements of hot melts and liquids at elevated temperatures has been in maintaining accurate temperature control that is consistent from sample to sample so that meaningful data could be obtained.

The AMETEK Brookfield Thermosel solves this problem by providing a stable, precisely controlled sample environment. This, together with the inherent accuracy of the AMETEK Brookfield Viscometers, is fundamental to the Thermosel System, which produces viscosity measurements that are not only accurate but entirely reproducible.

Several factors contribute to the stable environment:

- Non-fluctuating temperature control
- Small sample volume and insulated sample chamber which reduces temperature gradients within the sample
- The rotating spindle, which acts as a built-in stirring device
- The test procedure is quite straightforward. Once familiar with the system, unskilled operators can easily produce accurate, reproducible data.

