

DIAL READING VISCOMETER

WITH ELECTRONIC DRIVE



ELECTRONIC DRIVE
MEANS QUIET,
RELIABLE
OPERATION

EASY-TO-SELECT
SPEEDS

2-YEAR
LIMITED
WARRANTY

VISCOSITY
RANGE
cP(mPa•s)

SPEEDS

MODEL	Min.	Max.	RPM	Number of Increments
LVT	1 [†]	2M	.3-60	8
RVT	100 ^{††}	8M	.5-100	10
HAT	200 ^{††}	16M	.5-100	10
HBT	800 ^{††}	64M	.5-100	10

[†] 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.

T: 800.628.8139 OR 508.946.6200

F: 508.946.6262 WWW.BROOKFIELDENGINEERING.COM



FEATURES & BENEFITS

The Worldwide Standard Viscometer

Analog (% Torque) display (easy conversion to centipoises/cP)

Simple-to-use, easy setup

Available in explosion proof U.L. Class 1, Group D locations (w/o Electronic Drive)

Accuracy: $\pm 1.0\%$ of range

Repeatability: $\pm 0.2\%$



EASY SPEED ADJUSTMENT AND ON/OFF CONTROL



APPLICATIONS

Consider application and viscosity range when selecting model (LV, RV, HA, HB)

LV SERIES – LOW VISCOSITY

- | | |
|--------------------------|---------------------|
| Adhesives (solvent base) | Latex |
| Biological Fluids | Oils |
| Chemicals | Paints and Coatings |
| Cosmetics | Pharmaceuticals |
| Dairy Products | Photo Resist |
| Hot Waxes | Polymer Solutions |
| Inks | Rubber Solutions |
| Juices | Solvents |

RV SERIES – MEDIUM VISCOSITY

- | | |
|------------------------|------------------|
| Adhesives (hot melt) | Paints |
| Asphalt (SHRP) | Paper Coatings |
| Ceramic Slurries | Paper Pulp |
| Creams | Plastisols |
| Dairy Products | Starches |
| Food Products | Surface Coatings |
| Gums | Toothpaste |
| Inks (screen printing) | Varnish |
| Organisols | |

HA/HB SERIES – HIGH VISCOSITY

- | | |
|--|------------------------|
| Asphalt | Pastes |
| Caulking Compounds | Peanut Butter |
| Chocolate | Putty |
| Epoxies | Roofing Compounds |
| Gels | Sealants |
| Inks (ballpoint, offset, lithographic) | Sheet Molding Compound |
| Molasses | Tars |



WHAT'S INCLUDED?

Instrument

6 spindles (RV/HA/HB) (p50)

or 4 spindles (LV) (p50)

Spindle Guard Leg**

Lab Stand (Model A)

Carrying Case

**Not applicable to HA or HB versions



OPTIONAL ACCESSORIES

Viscosity Standards (p48)

RV/HA/HB-1 Spindle (p50)

Temperature Bath (p29)

Small Sample Adapter (p34)

UL Adapter (p36)

Thermosel Heater (p32)

Helipath Stand with T-bar Spindles (p38)

Spiral Adapter (p40)

DIN Adapter (p40)

Quick Connect/Extension Links (p55)

Vane Spindles (p39 & 53)

Read-out DATA DISPLAYED

- Torque %
- cP (centipoise)
- mPa*s (millipascal seconds)
- Shear Rate
- Shear Stress
- Temperature °F/°C

OUTPUT

- 0-1Vdc Chart Recorder
- Analog-torque/temperature
- Printer Output
- RS-232 PC: Data Output
- RS-232 PC: Full Computer Control

PROGRAM FEATURES

- Time to Torque
- Time to Stop
- Customize 4 Programs
- Customize 10 Programs
- Data Analysis

- Analog •
- Analog •
- Analog •
- Analog •

M = 1 million K = 1 thousand V = variable O = optional P = poise
cP = Centipoise mPa*s = millipascal/seconds AS = Application Specific N/A = not applicable

Note: 1. Guard leg not supplied with HA/HB Series. 2. RV/HA/HB supplied with spindles #2 - #7.