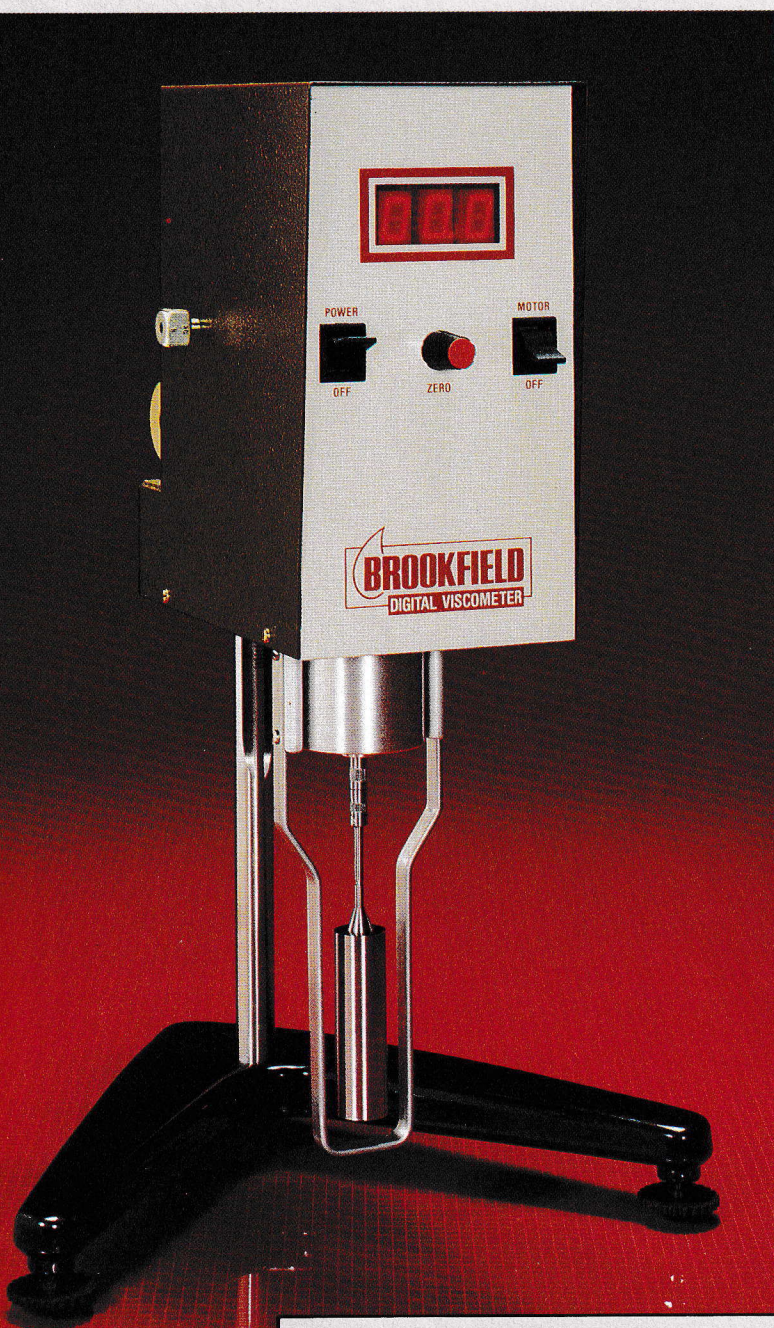


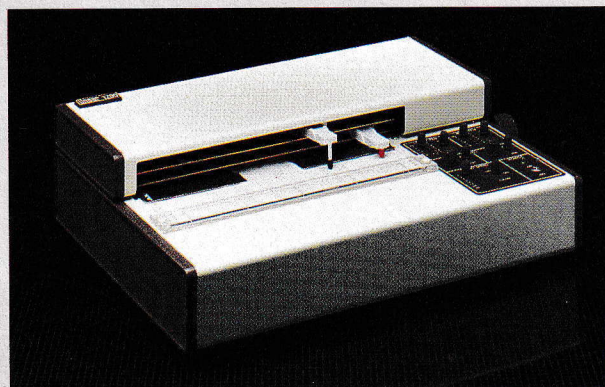
DIGITAL DISPLAY



The Brookfield Digital Viscometers combine traditional Brookfield accuracy, reliability and versatility with the advantages of electronic sensing, indication and output. Sensing of viscosity is continuous, allowing close scrutiny of rapidly changing rheological processes and thorough evaluation of

THE BROOKFIELD DIGITAL VISCOMETER MODEL DV-I...continuous display of % scale (Brookfield).

This instrument offers sophisticated performance at a very realistic price: it provides a large easy-to-read digital display of % scale (Brookfield), which converts readily into centipoise units and a 0-10mV or 0-1V output signal for connection to a strip chart recorder. The ability to make a permanent record of viscosity greatly enhances the function of the viscometer when analyzing rheological processes that occur quickly or over a long period of time. A rheological profile of a fluid can be produced which is of great value in quality control procedures.



BROOKFIELD CHART RECORDER **(For Models DV-I, DV-II & DV-III)**

Model 1201: Single pen, 200mm (8") chart, 16 speeds

Model 1202: Dual pen, 200mm (8") chart, 16 speeds

*Full scale input spans: 1, 2, 5, 10, 20, 50 millivolts
.1, .2, .5, 1, 2, 5 volts*

*Chart speeds: 1, 2, 3, 6, 10, 15, 20, 30 cm/min
and cm/hr*

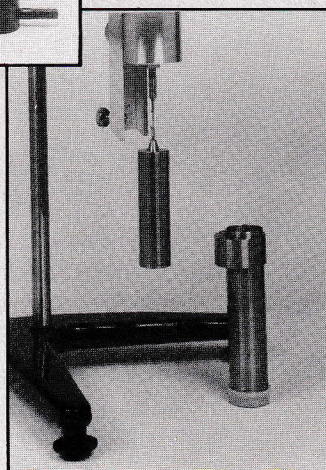
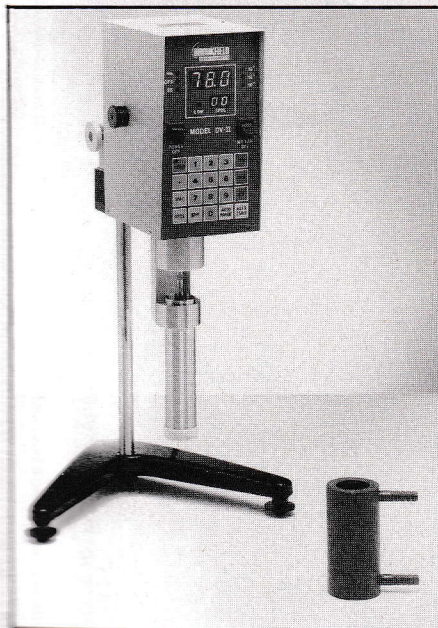
Response time: 0.4 seconds f.s.d.

Overall accuracy: Less than $\pm 0.5\%$ error

For ordering information see back page.

Brookfield UL Adapter

- Accurate and reproducible viscosity measurements as low as 1 centipoise



The Brookfield UL Adapter accessory has been developed for use with Brookfield Viscometers to allow accurate and reproducible viscosity measurements to be made on low viscosity materials. Newtonian and Non-Newtonian materials can be measured.

The adapter is usable with any model Viscometer, except the Wells-Brookfield Cone/Plate Viscometer. It is most commonly used with models LVT and LVF (at 60 RPM, these models have a full scale range of 1-10 centipoise with the Adapter).

Features:

Cylindrical geometry

The UL Adapter consists of a precision cylindrical spindle rotating inside an accurately machined tube. Its rheologically correct cylindrical geometry provides extremely accurate viscosity measurements and shear rate determinations. Also available is the ULA-DIN spindle which conforms to DIN 53019 specifications.

Measures either small or large samples

The tube has a removable end cap. With the cap removed the open ended tube can be used in a beaker or tank. With the cap in place the closed tube holding a 16 ml sample can be immersed in a temperature bath or used with the ULA 40Y water jacket for precise temperature control. Working temperature range is from -15°C to 100°C.

Easily cleaned

All immersed parts are stainless steel. The removable cap of low density polyethylene can be considered disposable for one-time use if required.

UL Adapter Range Data** – applicable to Dial Reading, and Digital Viscometers

Models LVF and LVT Viscometers			Models RVT, HAT, HBT Viscometers				
Speed RPM	Shear Rate (sec ⁻¹)	Range (cps)†	Speed RPM	Shear Rate (sec ⁻¹)	Range (cps)†		
					RVT	HAT	HBT
60	73.42	10	100	122.36	64	128	512
30	36.71	20	50	61.18	128	256	1,024
12	14.68	50	20	24.47	320	640	2,560
6	7.34	100	10	12.24	640	1,280	
3	3.67	200	5	6.12	1,280	2,560	
1.5	1.83	400	2.5	3.05	2,560		
0.6	0.73	1,000	1.0	1.22			
0.3	0.36	2,000	0.5	0.61			

**Maximum recommended viscosity = 2,000 cps

†Additional range information for DV-III models on p.8.

† cps = mPa·s