



Visco-Corder® VC-E



... where quality is measured.

Visco-Corder® VC-E



The **Visco-Corder® VC-E** utilizes high precision torque cell technology to measure the viscosity of Newtonian and non-Newtonian materials. In the Chemical Industry the instrument is used to evaluate a wide range of materials for the laboratory, production and quality control. Its application can be used to measure apparent viscosity and perceived difference in the flow properties of fluids, pastes, slurries and semi-solids with particulates. It may be used to characterize the flow behavior of materials and to predict consistency, processing ability or stability. The **Visco-Corder®** offers a wide measurement range, from a few centipoises up to 700,000 centipoises. The unit offers a menu driven electronic keypad and display for ease of operation and observation of data.

The **Visco-Corder® VC-E** Software Program for controlling data collection consists of time, temperature and measured viscosity units. Data can be exported to EXCEL as a CSV file to a PC.

Principle

The **Visco-Corder®** uses reaction torque for dynamic measurement. Reaction torque is developed by submersing a sensor element in a rotating sample vessel containing the test material and measuring the resultant torque expended by the material on the sensing device. The torque is measured in units of either Centimeter-grams (cm-g) or Brabender Units (BU). The measured torque, time and speed data can then be utilized to calculate the apparent viscosity and characterize the flow behavior of the test material.

The unit is designed to meet a broad range of viscosity testing requirements. The new Model VC-E design improves measurement range and precision, reduces operator error and offers unbiased results. Its new quick disconnect sensors facilitate easy clean up and changing of the sensors. Temperature can be measured and displayed via an optional Pt100 temperature probe. The instrument controls and measures speed at fixed intervals or may be programmed to interpret shear dependent flow behaviors with the protocol design and data transfer option.

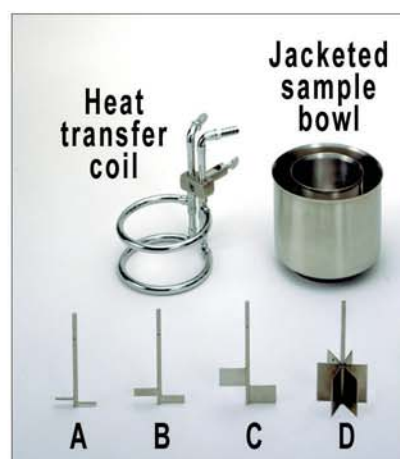
The robust, rugged design is well suited for the toughest production and/or laboratory environment.

Technical Data

Accuracy:	0.2% fsd
Speed range:	20 - 250 RPM
Torque range:	0 - 1,500 cm-g
Temperature range:	10°C to 150°C
Dimensions:	14" x 15" x 30" (W x D x H)
Weight:	60 lbs
Power requirements:	120V, 60 Hz, Single Phase, 3 Amps

Best suited for applications / materials such as:

- Gypsum
- Cement
- Pastes and Slurries
- Adhesives
- Plastisol Gelation
- Paints
- Inks



Interchangeable Sensors and Accessories:

Catalog # 13-12-056	Pin Style Paddle "A"
Catalog # 13-12-057	Narrow Double Flag Style Paddle "B"
Catalog # 13-12-058	Wide Double Flag Style Paddle "C"
Catalog # 13-12-059	Star Style Paddle "D"
Catalog # 03-10-054	Heat Transfer Coil
Catalog # 03-10-038	Jacketed Sample Bowl
Catalog #	Protocol Design & Data Transfer Option