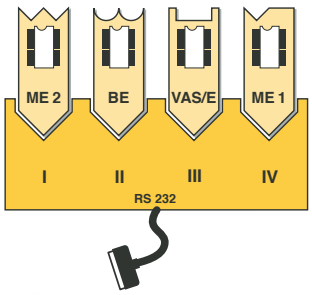
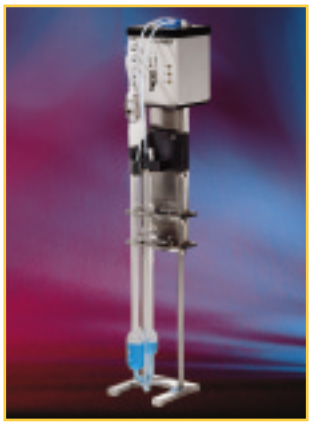


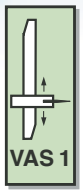
Control unit PVS 1

is the central module of the system and at the same time forms the link between the PC and individual components. The control unit provides a total of four slots which, depending on configuration, can be fitted with modules for one (ME 1) or two (ME 2) measuring stands, dosing systems (BE), or the autosampler (VAS/E).

Measuring stand S 5

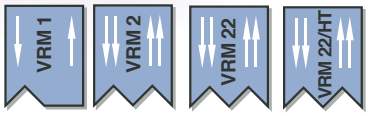
can carry different standard capillary viscometers, for example the types Ubbelohde (see illustration) or Cannon-Fenske Routine. The time for the sample to flow through the viscometer capillary is measured to the nearest millisecond, using a novel infrared sensor controlled by a single chip processor. The sturdy micro pump for transferring the sample up to the bulb, together with the chemical-resistant valves in the stand head, ensure very compact construction and reliable long-term operation.





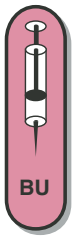
Autosampler VAS 1

complements a 4-place measuring system to provide maximum automation convenience with an extremely high sample throughput. Up to 63 samples, depending on reservoir size, can be processed in one setting.



Rinsing module VRM

provides fully automatic cleaning and drying of the viscometers. Either one (VRM 1) or two (VRM 2) viscometers can be connected and two different cleaning liquids can be selected separately. Even very hot samples up to 180 °C can be handled reliably (VRM 22/HT). Use of high-grade materials ensures absolute chemical resistance.



Dosing system

burette for determining limiting viscosity through different concentration steps, in conjunction with a dilution viscometer and a magnetic stirrer. Operates from the burette module (BE).

Precise measurement of viscosity demands that the test temperature is kept constant and uniform throughout the bath. LAUDA clear-view thermostats, or LAUDA Ecoline thermostats in conjunction with a transparent bath are important elements permitting unrestricted observation of the capillary viscometers.