

Kinematic Viscosity Measuring system - Model AKV-201



Model AKV-201 has been designed from automatic determination of **Kinematic Viscosity**. Once sample is set, the series of processes including timing, cleaning/drying, and reporting are fully automated. AL+KV-201 is an economical bench top system which saves not only the technicians' time but also valuable laboratory floor space.

- * **Test stds:** ISO 3104, ASTM D445, IP71, etc.
 - * **Type:** bench top automatic KV measuring system with 2 viscometers in 1 bath
 - * **range:** 1 to 10,000mm²/s
 - * **viscometers:** modified Lanz-Zeitfuchs type
 - * **bath temp:** preset at 30,40,50,75 & 100 °C (+1 temp point available as option between 20-100°C)
 - * **size/dry weight:** 530w x 560d x 930h(mm)/75kg
 - * **power consumption:** 2.2kW
- Product no** 13650/20

Kinematic Viscosity Bath - Model KV-6



Model KV-6 has been designed for **manual determination of kinematic viscosity**. Microprocessor and built-in platinum resistance probe allows wide control range (20 to 150°C), one-touch temperature selection and on-screen temperature display.

- ***test stds:** ISO 3104, ASTM D445, IP71, etc.
 - ***applicable viscometers:** Cannon-Fenske or Ubbelohde type (with optional holder) x 7
 - ***bath temp:** preset at 25,40,50,80,100 and 135°C.
.....Preset temperature can be changed at the factory between 20 and 150°C (option).
 - ***precision:** +/-0.01°C † 20°C to 100°C
 - ***size/dryweight:** 400w x 380d x 662h (mm)/33kg
 - ***power consumption:** 1.8kW
.....For 20°C to 30°C, connect the built-in cooling pipe to tap water or a recirculating water chiller.
- Product no** 13650/21

Automated Aniline Point Tester - Model AAP-5



Model AAP-5 automatically determines aniline point for wide range of samples. The use of special infrared detector gives the instrument it's ability to see through dark/opaque samples such as power generation fuels and marine diesel oils. The measuring cell can be easily removed and placed on an analytical balance for weighing viscous samples which are solid at ambient temperature. The measuring cell can be cleaned without disassembling it, which makes the cleaning easier and safer.

- ***test stds:** ISO 2977, ASTM D611 etc.
 - ***samples:** transparent or opaque/dark (< 8.0 on ASTM colour scale) petroleum products
 - ***range:** RT to 170°C (338°F), below RT with optional jacketed cell and external chiller.
 - ***sample cell:** modified U-tube
 - ***detection:** by photo-electric detector
 - ***size/weight:** 230w x 455d x 685h (mm)/15kg
 - ***power consumption:** 100W
- Product no** 13650/22

Automated Softening Point Tester - Ring and Ball Method: Model ASP-5



Model ASP-5 automates softening **point test of bitumen** and other materials by utilising photo-electric device with a wide light beam, which assures reliable detection. Generation of harmful vapour from overheated glycerin is prevented by the safety shutdown. Furthermore, ASP-5 is small enough to be installed in a fume hood.

- ***test stds:** ASTM D6, etc.
 - ***type:** ring and ball, 2 tests
 - ***range:** RT to 200°C (392°F)
 - ***detection:** by a photo transmitter/receive
 - ***size/weight:** 240w x 455d x 380h (mm)/13kg
 - ***power consumption:** 1.5kW
- Product no** 13650/23