LABTRON

KINEMATIC VISCOMETER LKV-A10

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Kinematic Viscometer LKV-A10

Kinematic Viscometer LKV-A10 is designed with hard glass bath and electric stirring device with 1200 rpm stirring motor. Designed as per ASTM D445 standard configuration, features ambient to 100°C of temperature range and 0 to 9999.9 s of time range. Compact design with RTD PT100 sensor for uniform bath temperature and 6 capillary Pinkevitch viscometer tubes, it is an ideal unit to determine kinematic viscosity of liquid petroleum products (Newtonian fluids) at a constant temperature.

Features

- Hard glass bath, allow personnel to observe liquid flow
- Electric stirring device with 1200 rpm stirring motor
- Ambient to 100°C of temperature range and 0 to 9999.9 s of time range
- RTD PT100 sensor for uniform bath temperature
- 6 capillary Pinkevitch viscometer tubes with different inner diameters
- Designed as per ASTM D445 standard configuration
- An ideal unit to determine kinematic viscosity of liquid petroleum products (Newtonian fluids) at a constant temperature

Application

Kinematic Viscometer is used to measure flow times for a fixed volume of fuel to flow under gravity through a capillary of the viscometer across the fields of petroleum and its products industries, research and development department etc.

Specifications

Model	LKV-A10
Ambient temperature	15 to 35°C
Relative humidity	≤ 85%
Capillary viscometer	6 capillary Pinkevitch viscometer tubes
Stirring motor	1200 rpm
Temperature range	Ambient to 100°C
Temperature accuracy	±0.10C
Time range	0 to 9999.9 s
Temperature sensor	RTD PT100
Capillary viscometer diameter	0.6 mm, 0.8 mm, 1mm, 1.2 mm, 1.5 mm, 2 mm
Bath capacity	12 L
Bath size	Φ255×240 mm
Dimension (W×D×H)	500×310×500 mm
Net weight	11.5 kg