

KINEMATIC VISCOSITY BATH

APPLICATION

- 1. Petroleum and Lubricant Industry:**
 - Determination of viscosity index and quality testing of engine oils, hydraulic fluids, and greases.
- 2. Fuel and Chemical Testing Laboratories:**
 - Evaluation of fluid flow properties and comparison of different fuel grades.
- 3. Polymer and Resin Industry:**
 - Characterization of polymer solutions and viscous materials.
 - Used in academic laboratories for teaching physical properties of liquids

KEY FEATURES

- **Sturdy Construction**
Stainless steel inner chamber and powder-coated body ensure durability and corrosion resistance.
- **Digital Microprocessor Control**
Advanced controller ensures precise temperature regulation with easy digital display and settings.
- **Wide Temperature Range**
Operates from ambient +5°C to 150°C (optional up to 200°C) for testing various oils and fluids.
- **High Temperature Accuracy**
Maintains precise and stable temperature within $\pm 0.2^{\circ}\text{C}$ for accurate viscosity results.
- **Uniform Heating**
Efficient circulation system provides even temperature distribution throughout the bath.
- **Large Transparent Bath**
Clear viewing window allows direct observation of viscometers and test samples.
- **Safety Protection**
Equipped with over-temperature, low-level, and electrical protection for safe operation.
- **Illuminated Test Zone**
Built-in LED lighting provides bright visibility of viscometers during testing.



TECHNICAL MATRIX

Model	PTE-709 KV-A	PTE-709 KV-B
Inner Size WxDxH	12 x 9 x 12 Inch	12 x 12 x 12 Inch
Size	4 Viscometers	6 Viscometers
Temp. Range	5°C above ambient to 150°C	
Temp. sensor	PT-100	
Temp. Controller	PID Temp Controller Accuracy ±0.5°C	
Construction	<ul style="list-style-type: none"> - Inner Chamber: SS 304 - Outer chamber: MS powder coated - Insulation: Glass wool - Window: 2 side hardened glass windows - Light: 1 tube light 	
Heating System	The heat was fitted directly inside the chamber by chamber (2.0 K.W)	
Stirring	Stirring by S.S. shaft fitted with Motor	
Power	230 Volts 50 Hz	
Accessories	Viscosity holder, universal type	

OPTIONAL ADD-ONS

- Automatic Timer** – For test duration control.
- LED Backlight** – Enhanced visibility of viscometers.
- Viscometer Holder Set** – Adjustable holders
- Temp Upto 200 °C**

