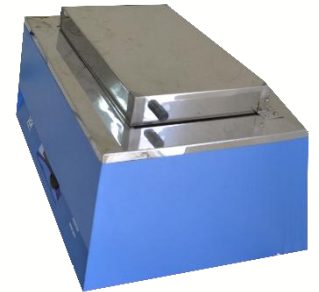


## Viscosity Measurement System

Measurement of Viscosity by Capillary Based Method

Ambient Viscosity Measurement System (AV-BR01) is an instrument used to measure the viscosity of a fluid at temperature range from ambient to 90 °C and atmospheric pressure. This measuring instrument which uses a capillary based method of measuring viscosity is recommended for Newtonian liquids.



### Experiment Description

In this system, capillary tube is immersed in an accurate temperature controlled bath. The liquid sample is suctioned into the tube until it reaches the start point. Then, the suction is released to make the liquid flow by gravity through the controlled capillary section of the tube. An operator observes the oil meniscus as it passes the start point and then measures the time taken for the oil to pass the final mark. The tubes are chosen, making it easier for manual timekeeping.

Specification	AV-BR01
Temperature Control System	Water Bath
Working Temperature	Ambient to 90°C
Working Pressure	Atmospheric
Wetted Material	Glass
Glass Capillary Viscometer	✓
Stop Watch	✓

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