

## Viscometer

### Principle:

When a layer of liquid moves upon a surface or another layer of the same liquid, the fluid particles tend to oppose such movement; this resisting force developed by a liquid is called viscosity.

A viscometer is an instrument used to determine the viscosity of a fluid. They have a wide application range and can measure the viscosity of paints, oils, coating and many other fluids.

Viscosity can be determined by either measuring the time taken for a fluid to pass through an opening or by measuring the time taken by an object, such as a sphere moving through a stationary fluid solution.

### Current Model:



Figure: Brookfield RVDV1M Viscometer and Accessories

Video Link: <https://www.youtube.com/watch?v=DGtmtxz3Xko>



# Instrument Description

## Sub Folder: Physical Analysis



### Typical samples:

Sample analysed using the viscometer include paints, varnishes, oils etc.

### Standards:

Samples are assessed using current international standards or to customer requirements.

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