

||||| **Duo.Visc** – Automatic viscosity measurement
Two different temperatures with the precision of
Ubbelohde capillaries



||||| **Small footprint – High precision**

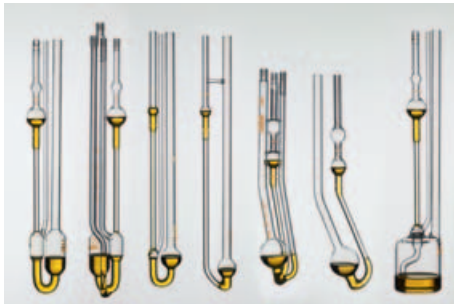
Meets ASTM D445, ASTM D2270, ISO 3104, ISO 2909

- || Precise for Viscosity Index
- || Compact for Intrinsic Viscosity
- || Smart for Relative Viscosity
- || Affordable for every laboratory

Duo.Visc – compactness and precision for kinematic viscosity measurements

For lubricants, oils, polymers and other liquids

Routine viscosity measurements demand a high level of precision both in temperature and time measurement. The Duo.Visc with its two independent thermoelectric Peltier heating/cooling systems allows to have the most stable and precise measurements without consuming valuable bench-space in the laboratory. The wide range of available capillaries covers the complete viscosity range. The easy to use Duo.Visc software helps to meet the requirements of today's laboratories.



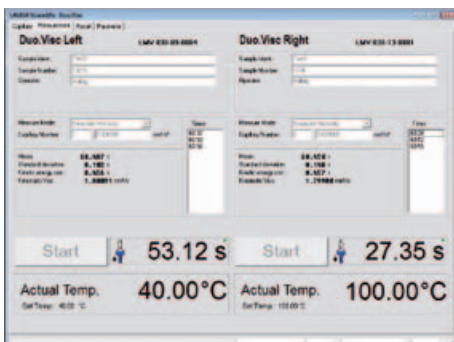
Fits to all relevant norms, standards and capillaries

- || According ASTM D445, ASTM D446, DIN EN ISO 3104, DIN EN ISO 3105, DIN 51562, DIN ISO 2909, ASTM D2270
- || Glass viscometers with highest precision for lowest sample consumption
- || Compatible with Ubbelohde, Micro-Ubbelohde and Canon-Fenske Viscometer
- || Viscometers exchange in seconds to avoid low-precision fast-run capillaries



Unique design with highest flexibility

- || Integrated thermo-electric Peltier unit for wide temperature range of 18...105 °C without external cooling
- || Dual bath for independent temperature control via software
- || Glass cylinder to enable open view to capillary
- || Status indicator to provide direct feedback concerning test status
- || Due to internal cooling 50 % less benchtop area required



Powerful software and easy connection

- || One software control for both test stands and the temperature in each bath independently
- || Automatic calculation of Viscosity Index for lubricants qualification
- || Calculation of Intrinsic Viscosity (2-point), and relative viscosity for polymer quality control
- || Full traceability of results according to GLP
- || Easy connection via USB for fast and easy setup

Technical Data

- | | | | |
|---------------------------------------|---------------------------------|-------------------------------|---------------------|
| Temperature range | 20...100 °C | Minimum sample volume | 3 ml / 15 ml |
| Viscosity range | 0.3...30,000 mm ² /s | Recommended throughput | 10 samples per hour |
| Resolution of time measurement | 0.01 s | Power consumption | 150 Watt |
| Temperature stability | +/-0.01 K | Operating conditions | 15...30 °C |
| Dimensions (H/W/D) | 465x370x310 mm | Weight | 26 kg |
| Voltage | 100...240 V | Parallel measurement | yes |
| PC connection | USB | | |