

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



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

- Precise for Viscosity Index
- I Compact for Intrinsic Viscosity
- **II** Smart for Relative Viscosity
- II 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.



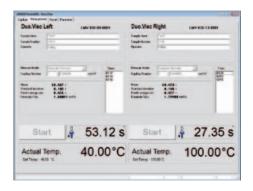
#### Fits to all relevant norms, standards and capillaries

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



### Unique design with highest flexibility

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



#### Powerful software and easy connection

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

## **Technical Data**

- Temperature range
- Viscosity range
- | Resolution of time measurement 0.01 s
- Temperature stability
- Dimensions (H/W/D)
- **∥** Voltage
- **PC** connection

- 20...100 °C
- 0.3...30,000 mm<sup>2</sup>/s
- +/-0.01 K
- 465x370x310 mm
- 100...240 V
- **USB**

- **Minimum sample volume**
- **■** Recommended throughput
- **Power consumption**
- Operating conditions
- **∥** Weight
- | Parallel measurement

3 ml / 15 ml

10 samples per hour 150 Watt

15...30 °C 26 kg

yes

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