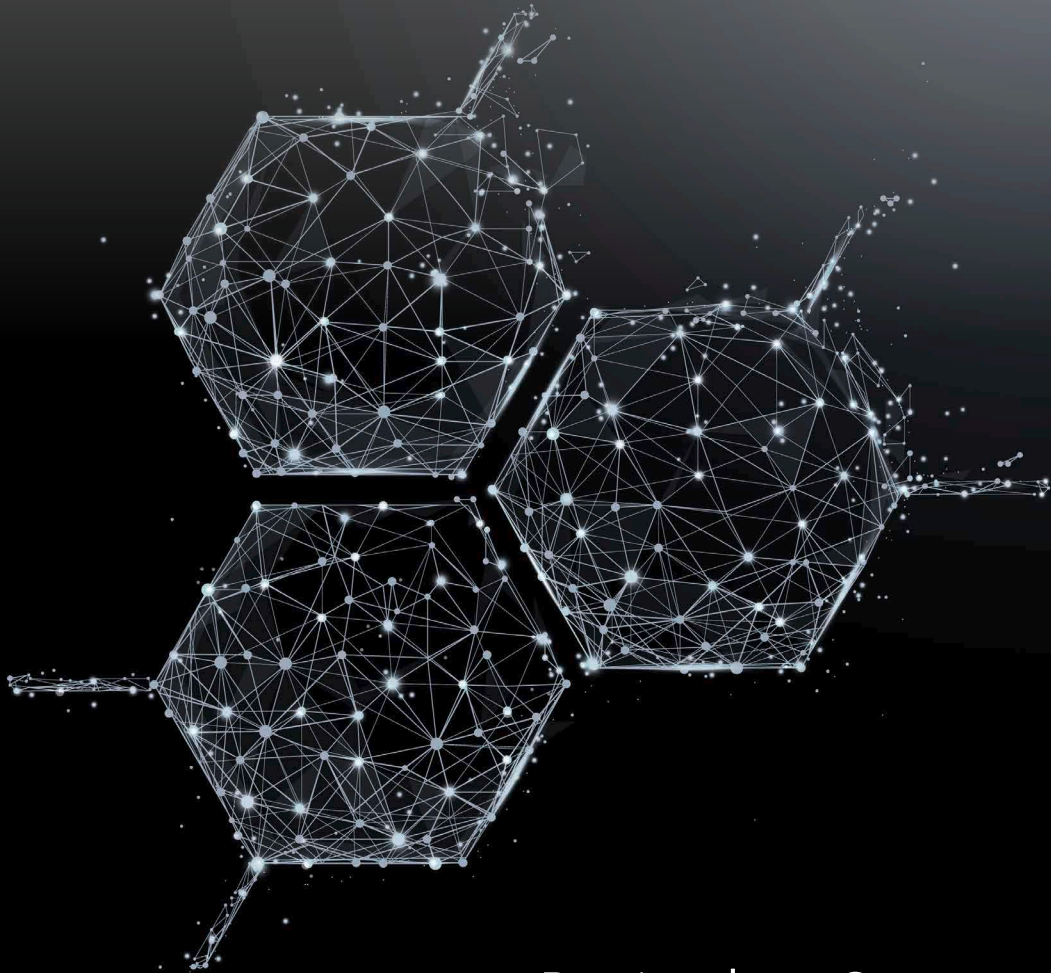


**Precise measuring instruments
for viscosity and surface science**

Product range 2023 / 2024

Version 2023-04-01

Automatic viscometer iVisc



Precise data. Constant values.

Automatic viscometer iVisc



The compact, intelligent viscosity measuring stand is designed for a large spectrum of standard glass capillary viscometers (e.g. Ubbelohde and Cannon-Fenske).

Placing it in a suitable LAUDA thermostat (e.g. LAUDA ET 15 S, Viscocool 6 or Viscotemp 18) and using the corresponding glass capillary viscometer, the kinematic viscosities in the range from 0.3 to 30,000 mm²/s can be determined. A wide range of applications can be accommodated as a result.

Special Features:

- || “Plug & play“ device installation via a single USB cable
- || Connection of up to two iVisc units per computer
- || Intuitive operation using software start/stop button on the device
- || Exact and “intelligent“ optical meniscus sensing for problematic liquids
- || Operating status display via LEDs
- || Just one cable (USB) for control and power supply via Desktop / Tower PC, Laptop, Netbook etc.
- || Just 1 watt of power consumption over USB
- || Measurement temperature from -20 to 150 °C

Scope of supply:

- || Automatic viscometer iVisc
- || Measuring software
- || USB connection cable
- || Set of viton cOnnection caps

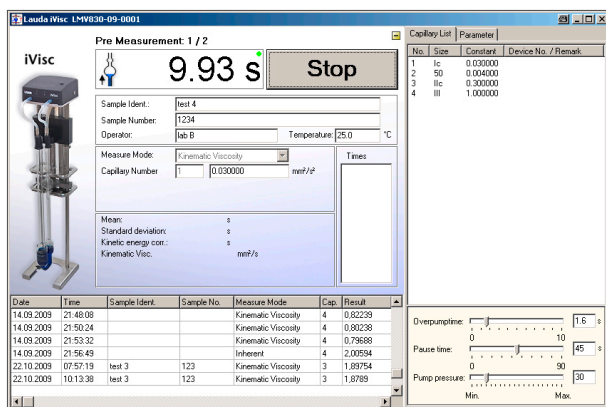
Not included:

- || Windows-PC
- || Viscometer capillaries

Note:

Operable with a 3-legged Ubbelohde viscometer type 1, 3, 4 or 2-legged Cannon-Fenske viscometer type 5.

Technical features	iVisc (LMV 830)
Sample temperature range	-20...150 °C
Ambient temperature	10...45 °C
Measurement range time	0...9,999.99 s
Recommended measurement range of flow time	30...1,000 s
Viscosity range	0.3...30,000 mm ² /s
Resolution of time measurement	10 ms
Meniscus detection	Optical (near infrared)
Total power consumption	1 W
Dimensions (W x D x H)	95 x 96 x 425 mm
Power supply	USB
Weight, net	1.4 kg
Compatible Windows versions	7, 8, 8.1, 10, 11



Special Features:

- || Integrated glass viscometer database library
- || Display of the current measuring sequence
- || Clear user interface with everything at a glance
- || Easy data transfer options (e.g. Excel)

We have the user in mind

The full control of the measuring process including the pumps and pressure compensation valves, the highly flexible meniscus sensing using NIR light sensor, and the precise measurement of the flow time of the sample using the measuring capillary are all done in the head of the measuring stand.

The most common formulas and calculations are included in the software. The clear software interface considerably simplifies the daily lab routine. After the simple insertion of a filled glass capillary, the software coordinates all of the steps necessary to perform the measurement and then executes the evaluation.

Here, the precise measuring of the flow time is based on intelligent, self-adaptive NIR meniscus sensing.

Accessories for iVisc

UG 003 Viscometer frame

For better handling of Ubbelohde/Micro-Ubbelohde capillaries

UG 094 Viscometer frame

For better handling of Micro-Ostwald capillaries

EZ 054 Viscometer holder

For 2-legged glass capillaries

HKB 532 Adapter

For use with Micro-Ubbelohde capillaries



HKB 532

Special recommendation for iVisc

EGVZ001 Visco.Fix carousel

For Visco.Fix glass capillary viscometers, 4 upright and 4 downward positions, incl. 4 high waste beakers and 4 low waste beakers

Advantages and benefits:

- || Safe storage on small footprint and no dusting of your capillaries
- || Easy cleaning, clean draining and drying of your capillaries with individual draining glasses
- || Always the right capillary at hand, even in the hectic lab routine



EGVZ001



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