



Manufacture and made in Germany WHY WE ARE DIFFERENT

Know-how and precision down to the smallest detail:
At RHEOTEST®, ideas, high-tech and craftsmanship
are converted to perfection.
Near to Dresden creative engineers, experienced
rheologists and practiced mechanics let arise
rheological measuring instruments.

RHEOTEST® combines modern technology and
manual work with the aim of producing a high quality
product which is appreciated both by dealers and
customers in our globalized world.

Viscometers and rheometers from Medingen have
been a reliable constant in the test laboratory for
decades: Precise test results, user-friendliness,
robust design and cost effectiveness create real
added value for our customers around the globe.

regionally manufactured – globally in demand
DISTRIBUTION WORLDWIDE

Around the globe, our customers appreciate German
workmanship: A large number of our viscometers and
rheometers are exported and used worldwide. Please
contact RHEOTEST® directly or contact our sales
partners at: www.rheotest.com

Viscometer from Medingen. Since 1932.

CONTACT

FON +49 (0)35205 58182
FAX +49 (0)35205 58297
MAIL info@rheotest.de
WEB www.rheotest.com



RHEOTEST® MEDINGEN GmbH

Roedertalstrasse 1
D-01458 Ottendorf-Okrilla
Germany



RESEARCH & DEVELOPMENT



MANUFACTURING



INSTALLATION & TRAINING



ONLINE SUPPORT



CALIBRATION



SERVICE

**PRECISION
MADE IN
GERMANY**



ROTATIONAL VISCOMETER RHEOTEST® VISQI N°1

Simply smart.
Just press the button and measure.



ELECTRICAL HEATING VISQI^{therm}

Simply smart.
Just press the button and measure.
Up to 300°C.





SIMPLY SMART.

ROTATIONAL VISCOMETER RHEOTEST® VISQI N°1

Only one device, only one model for an universal viscosity range:

RHEOTEST VISQI N° 1 measures the viscosity of your liquids precisely and reliably and is used in the laboratory and in quality control.

It combines the measuring range from 5 mPas to 70.000.000 mPas in just one device.

Unlike comparable rotational viscometers in its class, the RHEOTEST VISQI N° 1 is equipped with a high-quality and durable ball bearing in the measuring mechanism instead of a vulnerable bearing tip.

Our contribution to sustainability.

MEASURE UP TO 300°C.

RHEOTEST® VISQI^{therm}

APPLICATION

ASTM D4402, D3236, AASHTO T316, EN 13302

Asphalt

Bitumen

Polymers

Hot-melt adhesives

Wax

Candy mass

ADVANTAGES

optimum temperature control for measurements to +300°C

user-friendly handling and design:
well thought-out and space-saving
suitable for RHEOTEST® VISQI N° 1

ROTATIONAL VISCOMETER RHEOTEST® VISQI N°1

SCOPE OF SERVICES

Precise measurement results

The accuracy is +/- 1 % of the measuring range end value.
The reproducibility is +/- 0,2 %.

Operation with touch display

The menu navigation on the large colour display is multilingual and intuitive.

The display shows the following parameters:

- 1 viscosity
- 2 torque
- 3 speed
- 4 programme status
- 5 temperature
- 6 curve progression

Wide speed range

Speed range: 0.1 to 200 rpm in 0.1 rpm steps.

Stepless positioning

The stand ensures a secure fixation and can be positioned quickly. Vertical alignment or levelling is not necessary. The height of the viscometer can be stepless adjusted.

International

Thanks to language selection, operation is possible in English, German, French, Spanish, Portuguese, Russian and Italian.

Convenient replacement of the spindle

The measuring systems are differentiated by colour and can be practically fixed with a bayonet lock. As seven spindles are included as standard.

When changing the spindle, neither decoupling nor special care, recommended for:

- high sample throughput,
- multi-shift operation
- frequent operator or spindle changes

Temperature control

The viscosity depends on the temperature.
A temperature sensor is included in the scope of delivery.
Temperature range sensor: -20 to +120°C, with suitable temperature control technology

Temperature range VISQI^{therm}: +38 °C ... +300 °C

TECHNICAL SPECIFICATIONS

Single-point measurement and multi-point measurement with optional PC software

viscosity range:	5 to 70.000.000 mPas
temperature range, sensor:	-20 to + 120°C in 0,01°C resolution
torque range:	max. 12 mNm
speed range:	0,1 to 200 rpm in 0,1 rpm-steps
freely selectable speeds within of the speed range	
output units:	mPas, cPas, dPas, Pas, KU, BU
accuracy:	+/- 1 % vom from the full scale value
repeatability:	+/- 0,2 %
languages:	EN, DE, ES, FR, PT, RU, IT

- ☒ intuitive user interface with 3.5' touch display
- ☒ optical spindle recognition through colour coding
- ☒ optional battery operation for field tests

APPLICATION & STANDARDS

quality control
teaching purposes/training
raw material inspection
incoming goods inspection

- Mineral oil industry
- Paper industry
- Polymer chemistry
- Food and luxury food industry
- Cosmetics/Pharmaceuticals
- Chemical industry
- Detergents

EQUIPMENT

Rotational Viscometer RHEOTEST® VISQI N° 1

- Rotational Viscometer
- standard spindle set
- protective bracket
- temperature sensor
- cable
- stand

FOR IMMEDIATE USE
just press the button

ACCESSORIES FOR MEASUREMENTS UP TO 300°C VISQI^{therm}



TECHNICAL SPECIFICATIONS

Heating principle:	elektrisch
Temperature range:	+38°C ... +300°C
Temperature stability:	± 0,1°C
Accuracy:	± 0,1°C (38 ... 150°C) ± 0,5°C (150 ... 300°C)
Viscosity range rotor C2: (Bitumen: Ra: 19 mm; Ri: 11,7 mm)	100 ... 5,4*10 ⁶ mPas

precision in action I Just press the button
thanks to precise and efficient temperature control,
samples can be heated up to 300 °C in just 15 minutes.

optimum ease of use for daily laboratory routine
- colour-coded differentiation of the measuring systems
- ppractical fixation with bayonet lock
- quick and reliable alignment of the measuring system

efficient and tidy in the laboratory
- space-saving thanks to matching design to VISQI N° 1
- organization in the laboratory thanks to structured filing system

APPLICATION & STANDARDS

ASTM D4402, D3236, AASHTO T316, EN 13302

Asphalt

Bitumen

Polymers

Hot-melt adhesives

Wax

Candy mass

EQUIPMENT VISQI^{therm}

- heating oven with control panel and cable
- adjustment bracket
- rotor C2 incl. suspension
- 1 reusable measuring cup
- 4 disposable measuring cups
- tongs, cover and storage system