



## 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](http://www.rheotest.com)

**Viscometer from Medingen. Since 1932.**

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**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<sup>therm</sup>

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<sup>therm</sup>

### 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<sup>therm</sup>: +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<br>in 0,01°C resolution |
| torque range:                                      | max. 12 mNm                            |
| speed range:                                       | 0,1 to 200 rpm<br>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<sup>therm</sup>



### TECHNICAL SPECIFICATIONS

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

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Hot-melt adhesives  
Wax  
Candy mass

### EQUIPMENT VISQI<sup>therm</sup>

- 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