

## Viskomat NT

### rheometer for mortar and paste

Viskomat NT is a versatile rotational viscometer for determination of workability of fine grained building materials such as cement paste, mortar or plaster with the maximum particle size up to 4 mm. Viskomat NT is well suitable for research and development and for quality control. Using the rheometer Viskomat NT following information can be obtained:

- flow curves and rheological parameters
- workability properties and setting behavior as a function of time as well as temperature dependency
- influence of various admixtures and additives

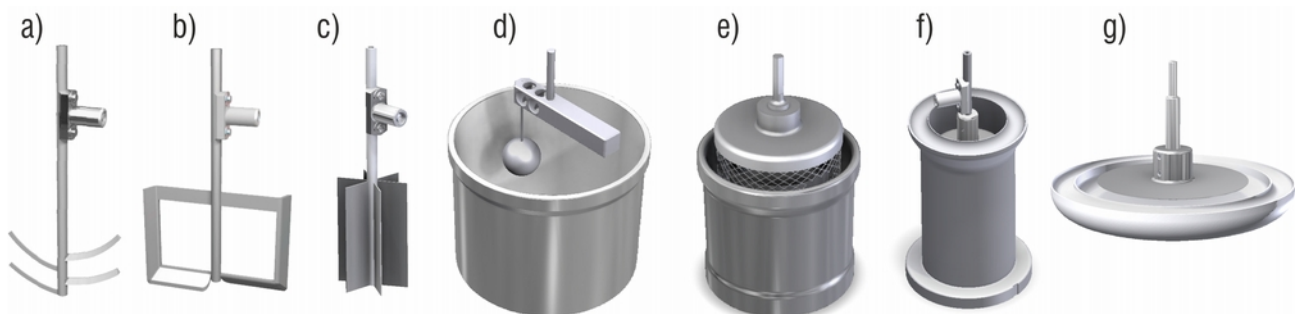
### Measurement principle

Fresh sample material is placed into the sample container and a measuring probe is immersed in the sample. While the sample container rotates, the torque on the probe is measured.

### Measurement setup

The Viskomat NT is supplied with different measuring probes such as:

- mortar probe (for max. 2 mm particle size)
- paste probe (for max. 0.5 mm particle size) and modified paste probe (for max. 2 mm particle size)
- vane probe (for max. 4 mm particle size)
- sphere probe incl. 10, 20 and 30 mm balls and suitable sample container
- basket probe for mortar and tile glue
- cylinder probe
- plate-cone probe



## Advantages

- robust device for lab and industrial environments
- measurement profile freely programmable
- incl. network interface for integration into an Intranet or lab network
- no special PC or software are necessary
- optional available: shear stress controlled drive and oscillation mode
- for research and quality control

## Technical specifications\*:

velocity controlled	0.001 ... 400 rpm
torque measurement ranges	0 ... 250 Nmm and 0 ... 500 Nmm
resolution	0.01 Nmm
sampling rate	0.005 s ... 10 min
sample volume of standard container	370 ml
shear stress controlled drive	torque resolution: 0.1 Nmm / angle resolution: 0.01°
oscillation mode	max. amplitude: 30 °/ max. frequency: 10 Hz
power supply	110 V ... 240 V / 50 Hz .... 60 Hz
net weight Viskomat NT	approx. 25 kg

## Order information:

order no.	description	order no.	description probes
V0001	rheometer Viskomat NT	V0011	mortar probe
V0006	shear stress controlled Drive	V0013	cement paste probe
V0030	oscillation mode	V0004	vane probe
V0009	outer container for temperature control	V0007	sphere probe
V0019	chiller, closed loop system	V0014	basket probe
		V0070	cylinder probe
		V0002	plate-cone probe

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\*Changes are reserved for technical progress.  
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