

Viskomat XL

rheometer for fresh concrete

Viskomat XL is a versatile rotational viscometer for determination of workability of building materials such as cement paste, mortar, plaster, SCC or UHPC with the maximum particle size up to 16 mm. Viskomat XL is well suitable for research and development and for quality control. Using the rheometer Viskomat XL 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

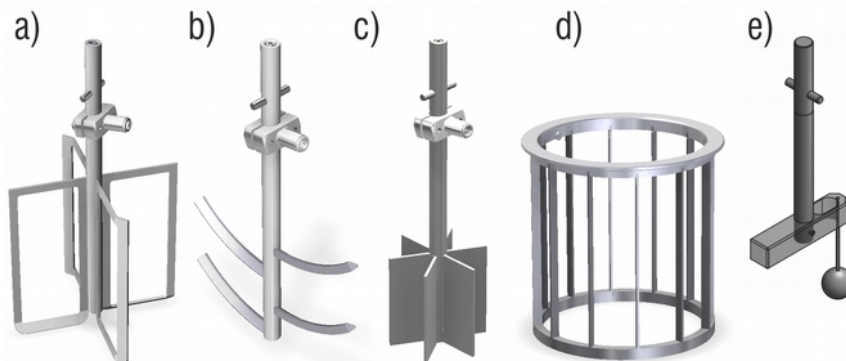
Measurement principle

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 XL is supplied with different measuring probes such as:

- mortar probe (for max. 4 mm particle size)
- concrete probe (for max. 8 mm particle size)
- vane probe (for max. 16 mm particle size)
- basket for the vane probe to avoid wall slippage
- sphere probes incl. 10, 20 and 30 mm spheres



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	0.0001 ... 80 rpm
torque measurement ranges	0 ... 3,000 Nmm / 0 ... 10,000 Nmm
resolution	0.5 Nmm / 2 Nmm
sampling rate	0.005 s ... 10 min
sample volume	3,000 ml
shear stress controlled drive	torque resolution: 0.001 Nm / angle resolution: 0.01°
oscillation mode	max. amplitude: 30 °/ max. frequency: 4 Hz
power supply	110 V ..240 V / 50 Hz... 60 Hz
net weight Viskomat XL	approx. 50 kg

Order information:

order no.	description	order no.	description probes
VX0001	rheometer Viskomat XL	VX0013	mortar probe
VX0006	shear stress controlled Drive	VX0011	cement probe
VX0030	oscillation mode	VX0004	vane probe
VX0009	outer container for temperature control	VX0005	basket for the vane probe
V0019	chiller, closed loop system	VX0007	sphere probe

Please contact your dealer or Schleibinger for further information or visit our home page:

www.schleibinger.com

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Building Materials Testing Systems

*Changes are reserved for technical progress.

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