



Rheology Solutions

Rheology Solutions is the sole Australian distributor of this product range and we welcome the opportunity of discussing your application requirements.

*We hope the information you are seeking is contained within this file.
If you have any questions, or require further information please contact us.
We look forward to being of further service.*

Regards from the Team at Rheology Solutions.

RHEOLOGY SOLUTIONS PTY LTD. ACN 082 479 632

HEAD OFFICE: 15-19 Hillside Street, Bacchus Marsh, Victoria 3340 Australia. PO Box 754, Bacchus Marsh, Victoria 3340 Australia.

Telephone: +61 3 5367 7477 **Facsimile:** +61 3 5367 6477 **Email:** info@rheologysolutions.com **Website:** www.rheologysolutions.com

The Schleibinger **viskomat XL**, Rheometer for Mortar and Fresh Concrete up to 6 mm Grain Size



Based on 20 years experience with rheometers for mortar and fresh concrete, Schleibinger has developed a new instrument called **viskomat XL**. Its filling the gap between the viskomat NT for mortar and paste with a specimen volume of 360 ml and the concrete rheometer BT2 with a sample volume of 20l. The operation principle of the **viskomat XL** is near the same as for the viskomat NT. So a mixer formed probe is measuring the torque, and the specimen vessel is rotating. An additional scraper is cleaning the wall of the vessel.

Very dynamic speed range

The speed may be 0.001 to 220 rpm in both directions, clockwise or counter clockwise. You may be define the speed in several steps, in an linear increase or decrease of speed. As option also an oscillating or a logarithmic mode is possible.

High Torque Range

The **viskomat XL** has a torque range from 0..300 Ncm with a resolution of 0.05 Ncm and accuracy better then 0.2 Ncm. Optional we can install a sensor with a torque range up to 1000 Ncm and a accuracy of 0.8 Ncm

Temperature control

Temperature control is realized by a double wall specimen container, where a cooling liquid is circulating. The specimen temperature is measured with a RTD mounted inside the shaft of the probe.

High Time Resolution

The sampling rate may be set from 0.005s .. 10min.

Shear Stress Control Mode

As an option you may run the **viskomat XL** with a shear stress controlled mode. So you preset the torque over time, and the speed is automatically controlled to achieve the predefined torque.

Software

The **viskomat XL** is controlled via a network interface. Simply connect your PC and start your Internet Explorer for full control and data transfer. No special software installation necessary.

Dimensions

Height 920mm, width 315 mm, depth 410mm, weight 68 kg.

Delivered with 3l vessel, online Display with LCD screen, 4 USB-ports, incl. 1 meas. brochure, 1 probe for concrete and mortar, maximum grain size 6 mm, 1 scraper, user manual.

Technical Data :

Application	Rheometer for mortar paste and fresh concrete up to 6..8mm.
net. size (hwxwd)	920 x 315 x 410 mm
specimen Volume	3l, others on request
motor speed range	0.001..220 rpm
motor torque	1200 Ncm
motor angle measurement accuracy	better $\pm 0.05^\circ$
meas. torque range	$\pm 0..300$ (1000*) Ncm
meas. torque resolution	0.05 (0.2*) Ncm

meas. torque accuracy	0.2 (0.8*) Ncm
temperature sensors	RTD PT100 1/10 DIN B
cooling and heating	double wall vessel
controller	extra cabinet, 110..120V, 50..60Hz, 800W
controller interfaces	4 x USB, 1 x network
user interface	Colored screen with online graphic
Interfaces	Ethernet /TCP/IP for control and data recording.
Weight	ca. 90 kg

Order codes:

viskomat XL, incl. software, electronic, mortar probe, concrete probe, scraper, vessel	VX0001
double wall vessel incl. valves for temperature control	VX0009
circulation heating unit	V0019
scraper for the viskomat XL	VX0021
Notebook for controlling the viskomat XL	PC0001
shear stress controlled drive	VX0006
logarithmic speed drive	VX0031
oscillation mode	VX0030

Technical data may be changed without notice

Represented by:



Rheology Solutions Pty Ltd
 15-19 Hillside Street
 Bacchus Marsh, Victoria 3340
 AUSTRALIA

Phone 03 5367 7477
 Fax 03 5367 6477
 Email info@rheologysolutions.com
 Website www.rheologysolutions.com

Schleibinger Geräte
 Teubert u. Greim GmbH
 Gewerbestrasse 4,

84428 BUCHBACH
 Germany
 Tel. +49 8086 94010

Fax. +49 8086 94014
 e-mail info@schleibinger.com,
<http://www.schleibinger.com>