

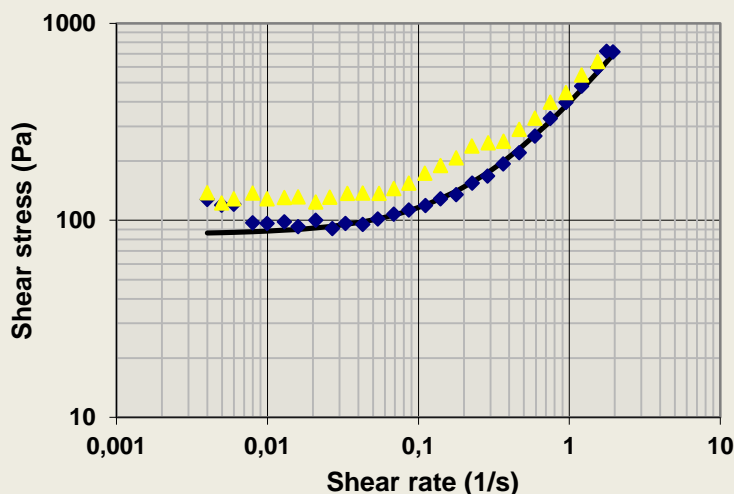
# RHEOCAD 420: HIGH PERFORMANCE CEMENT/MORTAR RHEOMETER

## CEMENT & MORTAR RHEOLOGY

RheoCAD 420 is a mechanical computer-controlled device which allows any rheological measurement to be made on any type of viscous material (mud, paints, gels, resins, polymers, mortar, cement, self compacting concrete...).

RheoCAD 420 measures torque vs. speed with multiple programming possibilities to obtain the best rheograms :

- > Steps programming
- > Linear ramp
- > Logarithmic ramp
- > Manual operating
- > Data storage compatible with spreadsheets



### Features and Benefits

- > RheoCAD 420 offers the best performances of sensitivity with a wide shear rate range for measurement of a broad variety of fluid and slurries.
- > A high sensitivity torque meter is used with a dynamic range 0.01 - 1000 N.cm
- > Custom-made bowls and impellers upon request.
- > A drive unit control system can be programmed for your particular application.
- > The anchor speed is regulated from 0.01 rpm to 250 rpm.
- > Complete control of the unit via lab computer using bi-directional RS232C interface.
- > User friendly menu driven software offers automation and data acquisition capabilities.

# RHEOCAD 420: HIGH PERFORMANCE RHEOMETER

## CAD PRODUCTS: THE TAILOR-MADE EXPERIENCE



3 L thermostated bowl



Special Impeller for mortar studies

- > CAD Instruments offers wide range of accessories to take advantage of this new measurement device.

## RHEOCAD 400 SPECIFICATIONS

### Characteristics

> Impeller speed	0.0002 - 4.2	rps
> Impeller speed sensitivity	0.0001	rps
> Scraper blade speed	0 – 30	rpm
> Torque meter	1 – 10	Nm
> Torque sensitivity	0.0001	Nm
> Capacity	3	L
> Standard bowl	Stainless steel with double enveloppe	
> Impeller	Stainless steel double anchor	
> Power supply	100 V to 250 V – 10 A	
> Dimensions	500 mm x 600 mm x 900 mm (W x D x H)	
> Weight	95	kg

### Security

- > Front face emergency button
- > Security door and bowl down stroke protection
- > Complies with CE regulation

### Requirements

- > Minimum computer specification: Pentium 4 with Windows® , Vista or Seven

*Note: These specifications may change in the interest of product development  
The RheoCAD was designed by CAD Instruments with major cement manufacturers co-operation.*