

# RM 200 CP4000 PLUS



## Optimize your rheological measurements

The motorized lift of the RM200 CP4000 PLUS allows a fast and repeatable installation of cone and plate measuring systems guaranteeing reliable rheological measurements whatever your application.

## FEATURES AND BENEFITS

- Automatic lift for gap.
- Quick attachment with AC265 coupling.
- Ramp programming.
- Direct analysis with regressions.
- Direct control of temperature unit.
- Huge viscosity range.
- Programming and recording method.
- Direct measure with time to stop.
- User and locked mode.
- Data recording and USB transfer.
- Torque gage on display.
- Integrated temperature probe.
- Printer connection.
- Compatible with RheoTex software.

Lower plate 60 mm  
included with  
RM 200 CP4000 PLUS  
(PN 265160)



Optional Lower plate  
40 mm  
(PN 265140)



# SPECIFICATIONS

## Type of instrument

Rotating springless rheometer with imposed speeds and 7" Touch screen

## Rotation speeds

Unlimited number of speeds between 0.3 and 1500 rpm

## Torque range

From 0.05 to 30 mNm

## Temperature

Temperature range from -20°C to +300 °C (according to models)

## Accuracy

+/- 1 % of the full scale

## Repeatability

+/- 0,2 %

## Display

Viscosity – Speed – Torque – Shear stress – Time –Temperature  
Choice of viscosity units: cP/Poises or mPa.s / Pa.s – Shear rate

## Norms

ASTM : D4287 ; BS 3900 ; DIN 3219 ; 52007-1 ; 53019-1 ; 54453 ; ISO 2884; 3219 ; 10364-12.

## Language

French/English/Russian/Spanish

## Compatible measuring system

MS CP

## Supply voltage

90-240 VAC 50/60 Hz

## Analog output

4 – 20 mA

## PC connections

Port RS232 and USB

## Printer connection

USB Host Port  
Compatible PCL/5

## What benefits are there for you?

Save your flow curves and calculate your rheological parameters directly without computer (Plastic viscosity, flow limit, Thixotropy, Regression models according to Newton, Bingham, Casson and Ostwald) . Choose your attachment system tailored to your product constraints.

## Option

Software RheoTex (PN N311000 + license PN N311204)

## Dimensions and weight

Head: L180 x W135 x H250 mm  
CP 4000 : D610 x W340 x H650 mm  
Weight: 22 kg

# ACTIVITY DOMAINS



Food Industry



Cosmetics pharmaceuticals



Paint / ink / coatings



Chemical / petroleum products



Car industry



Building materials



Teaching



Chocolate

# AVAILABLE INSTRUMENTS :

Part Number Instrument	Designation Instrument	Viscosity range (mPa.s)
N240250	RM 200 CP4000 PLUS RHEOMETER Peltier air-air (+10 to + 70 °C)	1 to 28M for all models (according to cone plate)
N240251	RM 200 CP4000 PLUS RHEOMETER Peltier air-air (+10 to + 70°C) with programmer*	
N240600	RM 200 CP4000 PLUS RHEOMETER Peltier air-air (0 to +150°C)	
N240601	RM 200 CP4000 PLUS RHEOMETER Peltier air-air (0 to +150°C) with programmer*	
N240800	RM 200 CP4000 PLUS RHEOMETER liquid Peltier** (-20 to + 120 °C)	
N240801	RM 200 CP4000 PLUS RHEOMETER liquid Peltier** (-20 to + 120 °C) with programmer*	
N240900	RM 200 CP4000 PLUS H RHEOMETER (Room to +300°C)	
N240901	RM 200 CP4000 PLUS H RHEOMETER (Room to +300°C) with programmer*	

M for millions, K for thousand

\* Allow temperature setting by RheoTex software or measuring head

\*\* Need a chiller. Not included

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