

# RM 100 CP2000 PLUS



## The viscometer dedicated for cone-plate measurements

Cone and plate measuring systems are adapted for samples in limited quantities and difficult to clean. With maximum shear rate up to 20,000 s<sup>-1</sup>, the RM100 CP2000 PLUS will fit all your applications.

## FEATURES AND BENEFITS

- For cone plate measurement.
- Quick attachment with AC265 coupling.
- 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 100 CP2000 PLUS (PN265160)



Optional Lower plate 40 mm (PN 265140)



# SPECIFICATIONS

## Type of instrument

Cone-plate rotating springless viscometer with 7" Touch screen

## Rotation speeds

Unlimited number of speeds between 0.3 and 1500 rpm

## Torque range

From 0.05 to 30 mNm

## Temperature

The temperature range of the use is from  $-20^{\circ}\text{C}$  to  $+300^{\circ}\text{C}$  according to models

## Accuracy

$\pm 1\%$  of the full scale

## Repeatability

$\pm 0,2\%$

## Display

Viscosity – Speed – Torque – Shear stress – Time  
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  
for both supplies

## Analog output

4 – 20 mA

## PC connections

RS232 Port and USB

## Printer connection

USB Host Port  
Compatible PCL/5

## Option

Software RheoTex (PN N311000 + license PN N311202)

## Dimensions and weight

Head: L180 x W135 x H250 mm  
Stand for CP 2000: 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

# AVAILABLE INSTRUMENTS :

Part Number Instrument	Designation Instrument	Viscosity range (mPa.s)
N170000	RM 100 CP2000 PLUS VISCOMETER Peltier air-air (+10 to +70°C)	1 to 28M for all models (according to cone plate)
N170100	RM 100 CP2000 PLUS VISCOMETER Peltier air-air (+10 to +70°C) with programmer*	
N170200	RM 100 CP2000 PLUS VISCOMETER with liquid Peltier** (-20 to +120°C)	
N170300	RM 100 CP2000 PLUS VISCOMETER with liquid Peltier** (-20 to +120°C) with programmer*	
N170400	RM 100 CP2000 PLUS H VISCOMETER (Room to +300°C)	
N170500	RM 100 CP2000 PLUS H VISCOMETER (Room to +300°C) with programmer*	
N170800	RM 100 CP2000 PLUS VISCOMETER Peltier air-air (0 to +150°C)	
N170900	RM 100 CP2000 PLUS VISCOMETER Peltier air-air (0 to +150°C) + 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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