

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⁻¹, 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°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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