

# RM 100 CP 2000 PLUS

The viscometer dedicated for cone-plate measurements



Cone-plate measuring systems are adapted for samples in limited quantities and difficult to clean. With maximum shear gradients 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.
- Speed or shear rate control.
- Huge speed and torque range.
- Direct control of temperature unit.
- 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.
- Display of viscosity limits according to mobile and speed.

## WHAT'S INCLUDED WITH DEVICE ?

(according to part number)

- 1 Temperature unit with 70mm bottom plate.
- 1 Touch screen stylus.
- 1 User manual.
- 1 Calibration and checking certificate.
- 1 Microfiber cloth.

## AVAILABLE INSTRUMENTS

Reference	Designation	Viscosity range (mPa.s)
N170000	RM 100 CP2000 PLUS VISCOMETER AIR PELTIER (+10°C to +70°C)	1 to 1900M (according to spindles MS CP (p80))
N170100	RM 100 CP2000 PLUS VISCOMETER AIR PELTIER (+10°C to +70°C) WITH PROGRAMMER*	
N170200	RM 100 CP2000 PLUS VISCOMETER LIQUID PELTIER** (-20°C to +100°C)	
N170300	RM 100 CP2000 PLUS VISCOMETER LIQUID PELTIER** (-20°C to +100°C) WITH PROGRAMMER*	
N170400	RM 100 CP2000 PLUS VISCOMETER (Room T°C to +300°C)	
N170500	RM 100 CP2000 PLUS VISCOMETER (Room T°C to +300°C) WITH PROGRAMMER*	
N170800	RM 100 CP2000 PLUS VISCOMETER AIR PELTIER (0°C to +150°C)	
N170900	RM 100 CP2000 PLUS VISCOMETER AIR PELTIER (0°C to +150°C) WITH PROGRAMMER*	

M for million / \* Allow temperature setting by measuring head or RheoTex software. / \*\* Water circulating bath required. Not included.

## SPECIFICATIONS

### Type of instrument

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 Probe

Equipped with a PT100 sensor which indicates temperatures between -50°C to +300°C

### Accuracy

+/- 1 % of the full scale

### Repeatability

+/- 0,2 %

### Display

Viscosity (cP/Poises or mPa.s / Pa.s)  
Speed – Shear rate – Torque – %- Shear stress - Time  
– Temperature

### Norms

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

### Languages

French/English/Russian/Spanish/Turkish/German

### Supply voltage

90-240 VAC 50/60 Hz

### Analog output

4 – 20 mA

### PC connections

RS232 Port and USB

### Printer connection

USB Host Port -  
Compatible PCL/5

### Dimensions and weight

D610 x H700 x W340 mm  
Weight: 22 kg

## COMPATIBLES MEASURING SYSTEMS

MS-CP (p80).



BARCODE READER

## OPTIONS & ACCESSORIES



- Barcode reader with stand and cable (p68).
- Touch screen protector (p68).
- Viscosity standards oil (p69).
- Dymo printer (p68).
- RheoTex software (p64-65).
- Protection cover (Ref. 121019).