RM 100 CP 2000 PLUS

The viscometer dedicated for **cone-plate** measurements

70 mm bottom plate

Cone-plate measuring systems are adapted for samples in limited quantities and difficult to clean. With maximum shear gradients 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.
- 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)	
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*	1 to 1900M (according to spindles MS CP (p80))
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	**Repeatability**
+/- 1 % of the full scale	+/- 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	**Analog output**
90-240 VAC 50/60 Hz	4 – 20 mA
PC connections	**Printer connection**
RS232 Port and USB	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)**.