RM 200 CP 4000 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.

70 mm bottom plate

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.
- Speed or shear rate control.
- 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.

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)**.

LAMY RHEOLOGY INSTRUMENTS

www.lamyrheology.com

SPECIFICATIONS

Type of instrument
Rotating springless rheometer 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**
Port RS232 et USB	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, regression model according to Newton, Bingham, Casson and Ostwald). Choose your attachment system tailored to your product constraints.

Dimensions and weight
D610 x H700 x W340 mm
Weight: 22 kg

COMPATIBLES MEASURING SYSTEMS

MS-CP (p81).

AVAILABLE INSTRUMENTS

Reference	Designation	Viscosity range (mPa.s)
N240250	RM 200 CP4000 PLUS RHEOMETER AIR PELTIER (+10°C to +70°C)	1 to 63,6M (according to spindles MS CP (p81))
N240251	RM 200 CP4000 PLUS RHEOMETER AIR PELTIER (+10°C to +70°C) WITH PROGRAMMER*	
N240256	RM 200 CP4000 PLUS RHEOMETER + CYL*** AIR PELTIER (+10°C to +70°C)	
N240257	RM 200 CP4000 PLUS RHEOMETER + CYL*** AIR PELTIER (+10°C to +70°C) WITH PROGRAMMER*	
N240600	RM 200 CP4000 PLUS RHEOMETER AIR PELTIER (0°C to +150°C)	
N240601	RM 200 CP4000 PLUS RHEOMETER AIR PELTIER (0°C to +150°C) WITH PROGRAMMER*	
N240800	RM 200 CP4000 PLUS RHEOMETER LIQUID PELTIER** (-20°C to +100°C)	
N240801	RM 200 CP4000 PLUS RHEOMETER LIQUID PELTIER** (-20°C to +100°C) WITH PROGRAMMER*	
N240900	RM 200 CP4000 PLUS RHEOMETER (Room T°C to +300°C)	
N240901	RM 200 CP4000 PLUS RHEOMETER (Room T°C to +300°C) WITH PROGRAMMER*	

*M for million / * Allow temperature setting by measuring head or RheoTex software. / ** Water circulating bath required. Not included. / *** Allow using of measuring systems as MS DIN 11S, 13S, 22S, 33S (p72), MS VANE according to dimensions (p77) and MS SV (p79).*