

# RM 100 PLUS

Our most  
modular viscometer



The RM100 PLUS is the viscometer with largest speed and torque range available on market. Create your methods and store your results in relation with your application.

## FEATURES AND BENEFITS

- 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 Integrated temperature probe.
- 1 Standard stand or rack stand (p68).
- 1 Touch screen stylus.
- 1 User manual.
- 1 Calibration and checking certificate.
- 1 Microfiber cloth.

## AVAILABLE INSTRUMENTS

Reference	Designation	Viscosity range (mPa.s)
N100000	RM 100 PLUS VISCOMETER (with standard stand)	1 to 780M*
N100009	RM 100 PLUS VISCOMETER (with rack stand)	1 to 780M*

M for million / \* According to measuring system (p72-79). 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** : D115 ; D789 ; D1076 ; D1084 ; D1337 ; D1338 ; D1417 ; D1439 ; D1824 ; D2196 ; D2243 ; D2364 ; D2556 ; D3288 ; D3468 ; D3716 ; D3730 ; D3794 ; D4016 ; D4143 ; D4878 ; D4889 ; D5324 ; D5400 ; D6279 ; D6577 ; D7394 ; D8020 ; E2975 ; F1607 ; **BS** 5350 ; **DIN** 2555 ; 3219 ; 52007-1 ; 53019-1 ; 54453 ; **EN** 302-7 ; 2555 ; 3219 ; 10301 ; 12092 ; 12802 ; 15425 ; 15564 ; **IOCCC** 2000 ; **ISO** 1652 ; 2555 ; 2884-2 ; 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

Head: D180 x H230 x W130 mm

Aluminium stand: L280 x W200 x H30 mm

Stainless steel rod: Length 500 mm

Weight: 6.7 kg

## COMPATIBLES

### MEASURING SYSTEMS

**MS-RV** (p75), **MS-LV** (p75), **MS-BV** (p76),  
**MS-VANES** (p77), **MS-KREBS** (p77), **MS-SV** (p79),  
**MS-ULV** (p78), **MS-DIN** (p72), **MS-R** (p74).

## COMPATIBLES

### TEMPERATURE CONTROLS

**EVA LR** (p60), **EVA MS DIN** (p58),  
**RT-1 PLUS** (p61), **EVA MS-R** (p59).

## OPTIONS & ACCESSORIES



- Carrying case (p68).
- External temperature probe -50°C to +300°C (p69).
- HELIPRO stand (p66).
- Barcode reader with stand and cable (p68).
- Bayonet spindle rack (p69).
- Touch screen protector (p68).
- Viscosity standards oil (p69).
- Dymo printer (p68).
- Small volume package (p67).
- THERMOCELL package (p61).
- RheoTex software (p64-65).