

FIRST PLUS

/ More than just a simple viscosity measurement /



FEATURES AND BENEFITS

- 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.
- Speed or shear rate control.
- LIMS function.

AVAILABLE INSTRUMENTS

Reference	Designation	Viscosity range (mPa.s)
N700700	FIRST PLUS VISCOMETER WITH SPINDLE RV-2 TO RV-7 (with standard stand)	200 to 240M
N700709	FIRST PLUS VISCOMETER WITH SPINDLE RV-2 TO RV-7 (with rack stand)	200 to 240M
N700300	FIRST PLUS LR VISCOMETER WITH SPINDLE LV-1 TO LV-4 (with standard stand)	15(1*) to 22M
N700009	FIRST PLUS LR VISCOMETER WITH SPINDLE LV-1 TO LV-4 (with rack stand)	15(1*) to 22M

M for million / (*) Can reach 1 mPa.s with MS ULV (p.82). Not included.

WHAT'S INCLUDED WITH DEVICE ? *(according to part number)*

4 Spindles LV or 6 spindles RV (p79) / 1 Integrated temperature probe / 1 Standard stand or rack stand (p70) / 1 Touch screen stylus / 1 User manual / 1 Calibration and checking certificate / 1 Microfiber cloth.

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COMPATIBLES MEASURING SYSTEMS

MS-RV (p79), MS-LV (p79), MS-BV (p80),
MS-VANES (p81), MS-KREBS (p81),
MS-SV (p83), MS-ULV (p82), MS-DIN (p76).



COMPATIBLES TEMPERATURE CONTROLS

EVA LR (p62), EVA MS DIN (p60),
RT-1 PLUS (p63).



OPTIONS & ACCESSORIES

- Carrying case (p70).
- External temperature probe (p71).
- HELIPRO stand (p66).
- Barcode reader (p70).
- Bayonet spindle rack (p71).
- Touch screen protector (p70).
- Viscosity standards oil (p71).
- Dymo printer (p70).
- Small volume package (p68-69).
- THERMOCELL package (p67).
- RheoTex software (p72-73).
- GuardLeg (p71).



GUARDLEG LV
(Ref 000685)



SPECIFICATIONS

Type of instrument

Rotating springless viscometer with 7" Touch screen

Rotation speeds

Unlimited number of speeds between 0.3 and 250 rpm

Torque range

Standard Version: 0.05 to 13 mNm
LR version: 0.005 to 0.8 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 (% - mNm) –
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 ;
ISO 1652 ; 2555 ; 2884-2 ; 3219 ; 10364-12

Languages

French/English/Russian/Spanish/Turkish/
German/Italian

Supply voltage

90-240 VAC 50/60 Hz

Analog output

4 – 20 mA

PC connections

RS232, USB and
Ethernet

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

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