

# FIRST PLUS

More than just a simple  
viscosity measurement



With its expanded possibilities and increased modularity, the FIRST PLUS will be the ideal tool for your application whether you use it alone or with its software.

## 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.

## WHAT'S INCLUDED WITH DEVICE ?

(according to part number)

- 4 Spindles LV or 6 spindles RV (p75).
- 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) |
|-----------|--|-------------------------|
| 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.78). Not included.

## 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 – %- 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

**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).

COMPATIBLES  
TEMPERATURE CONTROLS

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

## OPTIONS &amp; 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).