FIRST PRO

Programmed
for **your measurements**

FIRST PRO has the same enhanced programming capabilities as the most complete instruments to maximize the repeatability of your measurements.

FEATURES AND BENEFITS

- 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.
- 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)
N702700	FIRST PRO VISCOMETER WITH SPINDLES RV-2 TO RV-7 (with standard stand)	200 to 240M
N702709	FIRST PRO VISCOMETER WITH SPINDLES RV-2 TO RV-7 (with rack stand)	200 to 240M
N702300	FIRST PRO LR VISCOMETER WITH SPINDLES LV-1 TO LV-4 (with standard stand)	15(1*) to 22M
N702309	FIRST PRO LR VISCOMETER WITH SPINDLES 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.

Supply & Distributed By: **WWW.WAGAGROUP.LK**

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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	**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 : 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	**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
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 & 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)**.