

FIRST PLUS



Standard stand



More than just a simple viscosity measurement

With its expanded programming 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 RheoTex software.



Rack stand

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

The FIRST PLUS has a PT100 sensor which indicates temperatures between -50 °C to + 300 °C.

Accuracy

+/- 1 % of the full scale

Repeatability

+/- 0,2 %

Display

Viscosity – Speed – Torque – Shear stress – Time – Temperature
Choice of viscosity units: cP/Poises or mPa.s / Pa.s – Shear rate

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.

Language

French/English/Russian/Spanish

Compatible measuring system

MS DIN, MS ASTM, MS BV, MS VANE, MS ULV, MS SV, MS CP

Compatible temperature control

EVA DIN, EVA LR-BV, RT1, CP1

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

Options

Carry case (PN 100500)
Software RheoTex (PN N311000 + license PN N311700)

Dimensions and weight

Head: L180 x W135 x H250 mm
Hardened steel stand: L280 x W200 x H30 mm
Stainless steel rod: Length 500 mm
Weight: 6.7 kg

ACTIVITY DOMAINS



Food Industry



Cosmetics pharmaceuticals



Paint / ink / coatings



Chemical / petroleum products



Car industry



Building materials



Teaching

AVAILABLE INSTRUMENTS :

Part Number Instrument	Designation Instrument	Viscosity range (mPa.s)
N700000	FIRST PLUS VISCOMETER (Standard stand)	8 to 240M**
N700300	FIRST PLUS LR VISCOMETER with L-1 to L-4 spindles set (Standard stand)	15 to 22M
N700301	FIRST PLUS LR VISCOMETER (Standard stand)	1 to 22M*
N700700	FIRST PLUS VISCOMETER with R-2 to R-7 spindles set (Standard stand)	200 to 240M
N700709	FIRST PLUS VISCOMETER with R-2 to R-7 spindles set (Rack stand)	200 to 240M
N700009	FIRST PLUS LR VISCOMETER with L-1 to L-4 spindles set (Rack stand)	15 to 22M

M for Millions, K for thousand

* With MS ULV and MS ASTM (L1 to L4). Not included

** With MS SV and MS ASTM (R2 to R7). Not included

FIRST PRO



Standard stand



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.



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Accuracy

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Repeatability

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Display

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Norms

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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.

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Car industry



Building materials



Teaching

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Part Number Instrument	Designation Instrument	Viscosity range (mPa.s)
N702000	FIRST PRO PLUS VISCOMETER (Standard stand)	8 to 240M**
N702300	FIRST PRO PLUS LR VISCOMETER with L-1 to L-4 spindles set (Standard stand)	15 to 22M
N702301	FIRST PRO PLUS LR VISCOMETER (Standard stand)	1 to 22M*
N702700	FIRST PRO PLUS VISCOMETER with R-2 to R-7 spindles set (Standard stand)	200 to 240M
N702709	FIRST PRO PLUS VISCOMETER with R-2 to R-7 spindles set (Rack stand)	200 to 240M
N702309	FIRST PRO PLUS LR VISCOMETER with L-1 to L-4 spindles set (Rack stand)	15 to 22M

M for Millions, K for thousand

* With MS ULV and MS ASTM (L1 to L4). Not Included.

** With MS DIN and MS ASTM (R2 to R7). Not included.