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.

www.lamyrheology.com
**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

**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 ; D5600 ; D6279 ; D6577 ; D7394 ; D8020 ; D975 ; F1607 ; BS 6350 ; 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

**AVAILABLE INSTRUMENTS :**

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

*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.