RM 100 L

The viscometer in line with your process

The online viscosity measurement of the RM100 L guarantees continuous control for immediate action in production. Whatever the flow rate, the viscosity or the diameter of your pipe, this viscometer will be able to adapt by guaranteeing you a measurement according to laboratory’s norms.

FEATURES AND BENEFITS

- Industrial on-line measurement.
- Continuous measurement or with time to stop.
- 4-20 mA output for external control.
- Magnetic bearing for sealing.
- 15m maximum distance between head and box.
- Huge viscosity range.
- Programming and recording methods.
- External temperature probe (option).
- Printer connection.
- Compatible with RheoTex software.

Bended Cell CD25 (PN 121038)
Straight Cell LD100 (PN 121032)
SPECIFICATIONS

**Type of instrument**  
Rotating springless viscometer on the production line with 7” Touch screen

**Rotation speeds**  
Unlimited number of speeds between 5 and 600 rpm

**Torque range**  
From 0.5 to 13 mNm

**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**  
DIN : 3219 ; 52007-1 ; 53019-1 ; 54453 ; EN 3219 ; ISO 1652 ; 3219.

**Application**  
The RM100 L is dedicated to on-line measurements for continuous monitoring of viscosity in production. Its 4-20mA analogue output is used to send the measured value to a central computer. Numerous tailor-made solutions according to customer configuration for process integration.

**Language**  
French/English/Russian/Spanish

**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**  
- Software RheoTex (PN N311000 + licence PN N311100)  
- Waterproof Fibox case (PN 400081)

**Dimensions and weight**  
Head: Diameter 85 mm Height 312 mm  
Box: L120 x W145 x H261mm  
Weight: 4 kg

### ACTIVITY DOMAINS

- Food Industry
- Cosmetics pharmaceuticals
- Paint / ink / coatings
- Chemical / petroleum products

### AVAILABLE INSTRUMENTS:

Viscometer delivered with electronic box, measuring head and measuring cup. Need to be ordered with cylinder and cell.

<table>
<thead>
<tr>
<th>Designation viscometer</th>
<th>Part Number Viscometer</th>
<th>Compatible cylinder</th>
<th>Part Number Cylinder</th>
<th>Compatible cell</th>
<th>Part Number (Cell)</th>
<th>SMS flange (mm)</th>
<th>Flow rate (m³/h)</th>
<th>Viscosity range (mPa.s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM 100 L Short</td>
<td>T220330</td>
<td>MS DIN 2015</td>
<td>121065</td>
<td>CD25</td>
<td>121038</td>
<td>25</td>
<td>0.03 to 0.12</td>
<td>1k to 0.67M</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CD38</td>
<td>121057</td>
<td>38</td>
<td>0.05 to 0.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CD50</td>
<td>121035</td>
<td>51</td>
<td>0.1 to 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CD75</td>
<td>121034</td>
<td>76</td>
<td>0.5 to 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LD75</td>
<td>121033</td>
<td>76</td>
<td>6 to 8</td>
<td></td>
</tr>
<tr>
<td>RM 100 L Standard</td>
<td>T220300 or T220350 with Fibox case</td>
<td>MS DIN 24</td>
<td>121036</td>
<td>CD25</td>
<td>121038</td>
<td>25</td>
<td>0.03 to 0.12</td>
<td>230 to 0.3M</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CD38</td>
<td>121057</td>
<td>38</td>
<td>0.05 to 0.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CD50</td>
<td>121035</td>
<td>51</td>
<td>0.1 to 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CD75</td>
<td>121034</td>
<td>76</td>
<td>0.5 to 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LD75</td>
<td>121033</td>
<td>76</td>
<td>6 to 8</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LD100</td>
<td>121032</td>
<td>104</td>
<td>10 to 14</td>
<td></td>
</tr>
<tr>
<td>RM 100 L Long</td>
<td>T220320</td>
<td>MS DIN 30</td>
<td>121026</td>
<td>CD25</td>
<td>121038</td>
<td>25</td>
<td>0.03 to 0.12</td>
<td>56 to 81K</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CD38</td>
<td>121057</td>
<td>38</td>
<td>0.05 to 0.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CD50</td>
<td>121035</td>
<td>51</td>
<td>0.1 to 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CD75</td>
<td>121034</td>
<td>76</td>
<td>0.5 to 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LD75</td>
<td>121033</td>
<td>76</td>
<td>6 to 8</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LD100</td>
<td>121032</td>
<td>104</td>
<td>10 to 14</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LD100</td>
<td>121032</td>
<td>104</td>
<td>10 to 14</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CD75</td>
<td>121034</td>
<td>76</td>
<td>0.5 to 2</td>
<td>5 to 29K</td>
</tr>
</tbody>
</table>

*M for millions, K for thousand  
a) CD for Bended Cell and LD for Straight Cell