RM 100 i

For viscosity measurement on **large volume**

The RM100 i is perfectly suited for so-called immersion use, installing it over a tank or on a support for a measurement in a pot. Only the measuring head is above the product, the electronic box can be installed more than 15 meters in a control cabinet with its 4-20mA output.

FEATURES AND BENEFITS

- Industrial measure on large tanker.
- Continuous measurement or with time to stop.
- 4-20 mA output for external control.
- 17m maximum distance between head and box.
- Usable with standard or rack stand.
- Huge viscosity range.
- Programming and recording methods.
- External temperature probe (option).
- 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)

- 2m cable between measuring head and box.
- 1 Touch screen stylus.
- 1 User manual.
- 1 Calibration and checking certificate.
- 1 Microfiber cloth.

AVAILABLE INSTRUMENTS

Reference	Designation
T220200	RM100 i IMMERSION INDUSTRIAL VISCOMETER
T220230	RM100 i IMMERSION INDUSTRIAL VISCOMETER AC115
T220250	RM100 i IMMERSION INDUSTRIAL VISCOMETER WITH PT100 SENSOR

SPECIFICATIONS

Type of instrument
Rotating springless viscometer with 7" Touch screen

Rotation speeds
Unlimited number of speeds between 0.3 and 1500 rpm

Torque range
From 0.05 to 30 mNm

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

Application
The RM100 i is dedicated to tank 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 the customer configuration for integration into the process (length and height of the plungers, fixing on the cover of the measuring head with sealing,...).

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 : Ø 95 mm
Box D140 x H260 x W120
Weight: 3 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)**, **MS-R (p74)**.

COMPATIBLES TEMPERATURE CONTROLS

EVA LR (p60), **EVA MS DIN (p58)**, **RT-1 PLUS (p61)**, **EVA MS-R (p59)**.

OPTIONS & ACCESSORIES +

- External temperature probe -50°C to +300°C.
- Standard or rack stand **(p68)**.
- HELIPRO stand **(p66)**.
- Small volume package **(p67)**.
- THERMOCELL package **(p61)**.
- Barcode reader with stand and cable **(p68)**.
- Touch screen protector **(p68)**.
- Viscosity standards oil **(p69)** .
- RheoTex software **(p64-65)**.
- Cable extension 5 m **(Ref. 113202)** max 3 unit.