

# RM100 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

+/- 1 % of the full scale

### Repeatability

+/- 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

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

### 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.

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