

# 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 &amp; 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.