

# 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.
- 25m maximum distance between head and box.
- 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)

- 15m cable between measuring head and box.
- 1 Touch screen stylus.
- 1 User manual.
- 1 Calibration and checking certificate.
- 1 Microfiber cloth.



## OPTIONS & ACCESSORIES



- Touch screen protector (p68).
- Viscosity standards oil (p69).
- RheoTex software (p64-65).
- Cable extension 5 m (Ref. 113202) max 2 units.
- Measuring cylinder and cell (see table next page).

## 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

### 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.

### 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 100 mm

Box D140 x H260 x W120

Weight: 4 kg

## AVAILABLE INSTRUMENTS

Viscometer delivered with electronic box and measuring chamber. Need to be ordered with cylinder and cell.

Designation viscometer	Reference Viscometer	Compatible cylinder	Reference Cylinder	Compatible cell*	Reference (Cell)	SMS flange (mm)	Flow rate (m3/h)	Viscosity range (mPa.s)		
RM 100 L Short	T220330	MS DIN 20-15	121065	CD25	121038	25	0.03 to 0.12	1k to 0.67M		
				CD38	121057	38	0.05 to 0.5			
				CD50	121035	51	0.1 to 1			
				CD75	121034	76	0.5 to 2			
				LD75	121033	76	6 to 8			
				LD100	121032	104	10 to 14			
RM 100 L Standard	T220300 T220350 (with Fibox)	MS DIN 24	121036	CD25	121038	25	0.03 to 0.12	230 to 0.3M		
				CD38	121057	38	0.05 to 0.5			
				CD50	121035	51	0.1 to 1			
				CD75	121034	76	0.5 to 2			
				LD75	121033	76	6 to 8			
				LD100	121032	104	10 to 14			
				MS DIN 30	121026	CD25	121038		25	0.03 to 0.12
		CD38	121057			38	0.05 to 0.5			
		CD50	121035			51	0.1 to 1			
		CD75	121034			76	0.5 to 2			
		LD75	121033			76	6 to 8			
		LD100	121032			104	10 to 14			
		RM 100 L Long	T220320			MS DIN 31.5	121060	LD100	121032	104
				CD75	121034			76	0.5 to 2	

M for millions, K for thousand / \* CD for bended cell and LD for straight cell.

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