

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.