

No.274 Rotorless Mooney Viscometer Model **RLM-4**



Small printer (Option)
Output example

Note: Data processing unit and table for main unit is option

■ APPLICATION

The **Rotorless Mooney Viscometer model RLM-4** conducts Mooney viscosity test and Mooney Scorch test. In order to eliminate the problem of frictional resistance of rotor of conventional Mooney Viscometer, this model employs a rotorless mechanism.





■ FEATURES

- Cone type rotating die assures uniform shear rate distribution
- Measurement is possible up to 200M
- Setting/removal of sample is easy
- Full automatic testing is possible by means of Automatic Sample Load/Unload Unit (Option)
- Allows automatic calibration by one touch
- Uniform sample temperature, rapid temperature recovery
- Friction torque has been deleted from Mooney data
- Overload and overheat protection devices are incorporated
- When protection door opens, the heating plate moves up; and when the door closes, the heating plate comes down and test starts

■ SPECIFICATIONS

Model	RLM-4
Sample chamber die	Rotorless (contactless, sealed type)
Reference standard	N/A
Temperature range	Room temp. +20 to 200°C, accuracy $\pm 0.3^{\circ}\text{C}$
Rotation speed	0.1 to 8.0rpm
Drive motor	Stepping motor
Torque detector	Strain gauge type load cell
Mooney viscosity measurement range	0.0 to 200.0M
Mooney time setting range	0 to 200.0min. (t1, t2, t3, t4, t5...5 points)
Scorch setting range	0 to 99.9M (S1, S2, S3, S4, S5...5 points)
Test time setting range	0 to 480min.
Preheat time	0 to 99min. 59sec.
Torque calibration	Auto zero, auto span calibration by actual weight
Mooney value calibration	Built-in weight, Auto span
Power requirement	Single-phase, AC200V, 50Hz or 60Hz, 2.4kVA
Compressed air requirement	0.45MPa
Dimensions	W430 x D600 x H1190mm
Weight	Approx. 160kg
Related standard	N/A

■ OPTIONS

	Name	Model	Remarks	Photo
1	Data processing unit	CON-L	-----	
2	Small printer	M-P1	Paper width: 80mm	 
3	Stress relaxation measurement	R-SR	-----	-----
4	Table (Large)	DAI-L	W1200 x D750 x H740mm Load capacity: 300kg	
5	Table (Small)	DAI-S	W900 x D750 x H740mm Load capacity: 300kg	
6	Air filter set	DC-RM4	-----	-----

Specifications are subject to change without notice.



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