

No.275 Mooney Viscometer

Model **AM-4**



■ APPLICATION

The **Mooney Viscometer model AM-4** conducts mooney viscosity test and mooney scorch test of un-vulcanized rubber according to ISO 289 (JIS K6300-1).

■ FEATURES

Accuracy and calibration control

- High temperature accuracy, $\pm 0.3^{\circ}\text{C}$ compensation with various error correction functions.
- Easy correction of temperature sensor error and temperature amplifier error, etc. by touch panel.
- Mooney value can be automatically calibrated by internal weight.

Improved functions and operation

- Testing conditions and good/bad judgment standards can be registered.
- Full automatic operation except for reading out registered items and loading/unloading sample.
- Test results, data curves, good/bad judgment and average value, etc. can be arbitrarily selected and printed out by compact printer (option).
- Results of past test can be accessed.
- Heater timer function to save end and start times.
- Fast maintenance by main unit check function.

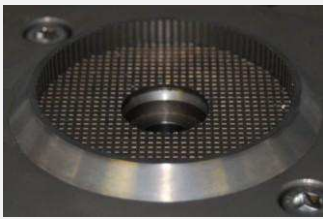
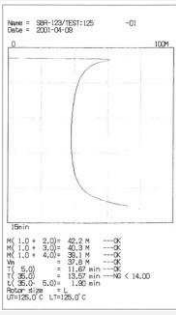
■ SPECIFICATIONS

Model	AM-4
Die type	V-groove die (Square groove die is option)
Rotor type	1 piece of L type rotor is included as standard <u>(Note: S type rotor is option)</u>  Left: L type rotor (Standard) Right: S type rotor (Option)
Mooney viscosity	Max. 200M
Test temperature	Max. 200°C
Compression system	Pneumatic
Heating system	Electrical
Rotor rotation speed	2 ± 0.02 rpm
Drive motor	Speed control motor
Torque detector	Strain gauge type load cell
Mooney time range	0 to 480 minutes (t1, t2, t3, t4, t5...5 points)
Scorch time range	0.0 to 99.9M (S1, S2, S3, S4, S5...5 points)
Preheat time	0 to 99 minutes 59 seconds
Post-heating time	0 to 99 minutes 59 seconds
Torque calibration	Auto span calibration by actual weight
Interface	RS232C
Operation panel	5" LCD touch-screen Function: ● Test conditions ● Torque calibration ● Machine check ● Data history search etc.
Languages	English, Japanese
Power requirement	Single-phase, AC200 to 230V, 50Hz or 60Hz, 2.4kVA
Compressed air requirement	0.4MPa or more
Dimensions	W430 x D600 x H1190mm
Weight	Approx. 155kg
Related standards	ISO 289 JIS K 6300-1 ASTM D1646

■ STANDARD ACCESSORIES & OPTIONS

● Standard ○ Option

	Name	Model	Part No.	AM-4
1	V-groove die	-----	-----	●
2	Square groove die	-----	-----	○
3	L (Large) type rotor	-----	2110059	●
4	S (Small) type rotor	-----	2110058	○
5	Preheat chamber for spare rotor	M-RPH	-----	○
6	Data processing unit ● Personal computer ● LCD monitor ● Ink-jet printer ● Data processing software	CON-L	-----	○
7	Small printer ● Print system: Thermal dot matrix ● Recording paper width: 80mm ● Print item: 1) Date 2) Sample name 3) Die temperature at test end 4) Minimum torque (Vm) 5) ML torque (5 points) 6) tsx scorch time (2 points) 7) Judgment (OK, NG)	M-P1	-----	○
8	Stress relaxation measurement	M-SR2	-----	○
9	Table for main unit (Large) Dimensions: W1200 x D750 x H740mm Load capacity: 300kg	DAI-L	-----	○
10	Table for main unit (Small) Dimensions: W900 x D750 x H740mm Load capacity: 300kg	DAI-S	-----	○
11	Air filter set	AC-4	-----	○

			
1. V-groove die	2. Square groove die	3,4. L type rotor (Left) & S type rotor (Right)	5. Preheat chamber for spare rotor
	 		
6. Data processing unit	7. Small printer	10. Table for main unit (Large)	10. Table for main unit (Small)

Specifications are subject to change without notice.

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