

# ***MOONEY VISCOMETER***

*Professional Laboratory*

*Rubber & Plastics*

*Testing Equipment*



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## Description

**Mooney Viscometer** (Shearing disc viscometer) is used to determine the Mooney viscosity, Mooney stress relaxation and pre-vulcanization characteristics of uncompounded or compounded rubbers.

## Standards

ISO 289, ASTM D1646, DIN 53523, BS903: part 58, ISO 3384, etc.

## Main Technical Specifications

Model	AR-R7001
Temperature range	RT ~ 200°C
Temperature display resolution	0.1°C
Temperature control accuracy	± 0.3°C
Calibration accuracy	Mooney value ± 0.5
Rotor speed	2 ± 0.02 RPM
Die rotor	38.10 ± 0.03 mm (large), 30.48 ± 0.03 mm (small) in diameter
Closing force	11.5 kN
Torque range	Mooney value 0 ~ 200
Torque resolution	Mooney value 0.1
Controller	Windows-based PC software
Test modes	Mooney Viscosity Mooney Stress Relaxation Mooney Scorch
Test output contents	Date, Time, Temperature, Mooney viscosity curve, stress relaxation curve, Mooney scorch curve. Initial Viscosity, ML, (MV)ML (1+4), ML (1+X), t5, t35, t3, t18, Δt15, Δt30, t80 (s), X30 (%), a, k, r and MLmax, MLmin, etc. depending on your selections
Air source	Min. 0.5Mpa
Power supply	1-phase, AC 220V 50Hz or AC 110V 60Hz