

MOVING DIE RHEOMETER

Professional Laboratory

Rubber & Plastics

Testing Equipment



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Description

Moving die rheometer is also called a rotorless rheometer. It is a device most commonly used in rubber formulation development and quality control to obtain and grasp processability, vulcanization characteristics, vulcanization speed, etc of a rubber test piece.

Standards

ISO6502, ASTM D5289, DIN 53529, GB/T 16584, etc.

Main Technical Specifications

Model	AT-R7002
Temperature range	RT ~ 200°C
Minimum temperature display	0.01°C
Temperature error	± 0.3°C
Heating rate	Within 15 min from 30°C to 180°C
Temperature display resolution	0.01°C
Temperature recovery time after clamping	< 1.5 min
Temperature unit	°C / °F
Torque range	0 ~ 20 N.m
Torque minimum reading	0.001 N.m
Oscillation angle	± 1°(Standard), ± 0.5°, ± 2°, ± 3°
Oscillation speed	100r/min (1.667Hz)
Torque accuracy	0.3 %
Torque unit	lbf.in, N.m, dN.m, kgf.cm
Controller	Windows-based PC software
Vulcanization torque data output	Date, time, temperature, vulcanization curve, temperature curve, ML, MH, ts1, ts2, tc10, tc30, tc50, tc90, etc.
Supported curves	S', S'', S*, tan δ, δ, CR, P, PR, CRI, Temp
Air source required	Min. 0.5 Mpa
Power supply	1-phase, 220V 50Hz or 110V 60Hz