

ZGT M 3000AU

MOVING DIE RHEOMETER



■ ZGT M 3000AU moving die rheometer is an accurate moving die rheometer with sealed biconical dies. It is an ideal instrument for determining the curing characteristics of rubber compounds including scorch time, cure time, cure rate, maximum torque, minimum torque and other vulcanization characteristics for quality control, research and development. Using high precision temperature control system, advanced amplifier with high speed sampling rate and PC based dedicated software, the ZGT M 3000AU provides a reliable and easy to use solution for analysis of vulcanization curve.

STANDARDS

GB/T 16584-1995

ISO 6502-3-2018

ASTM D5289-2017

Die configuration	Sealed die
Test mode	MDR
Temperature control	PID control
Temperature range	Room temperature to 200°C
Temperature display resolution	0.1°C
Temperature control stability	±0.1°C
Over-temperature control	≤Set value ±0.4°C
Temperature recovery time	≤45 sec
Temperature heating rate	Room temperature to 190°C < 6 min
Torque range	200 dN-m
Torque display resolution	0.001 dN-m
Torque unit	dN-m, kgf-cm, lbf-in
Oscillating angle	±0.5° (optional ±1.0°, ±2.0°)
Oscillating frequency	1.67 Hz ±0.01 Hz
Controller	U70
Software	Evolution
Communication interface	RJ45
Motor	Brushless DC motor
Compressed air	3.5 kg/cm ² (0.35 MPa)
Dimension (W x D x H)	70 x 85 x 130 cm
Power supply	1φ, 220 V, 50/60 Hz, 2 kW (or specify)

Note: DVT DEVOTRANS reserves the right to modify the equipment described in the brochure. The model in the picture may not be the latest one.