Torque Rheometer

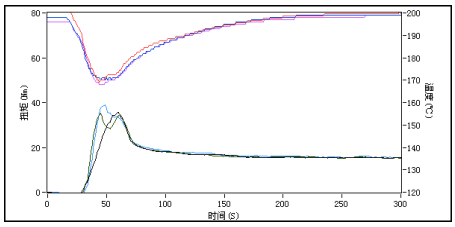
Features

- Using non-contact toque sensor and servo motor to guarantee the accuracy and stability of the data
- Electric overload protection device
- Measuring Torque (Temperature) – Time curve, observing differences and features of material microstructure, macroscopic morphology and processing properties
- Different rotors for different material (rubber, plastic, melt adhesive, food, etc.) and different processing technology
- Different rotor types, e.g. Banbury style, Roller style, Cam style and Sigma style

Applications

- Formula design
- Material property and quality test
- PVC melting property test
- PVC plasticizing agent absorption test
- Thermal and shear stability test of the thermoplastic resin
- XLPE cross-link test
- Research in polymer flow and solidification

Typical Curve



Technical Parameters

Model		RTOI-55	RTOI-200	RTOI-300
Mixing chamber volume	cm^3	55	200	200
Speed	rpm	200		
Rotor speed ratio		2:3		
Torque measuring range	Nm	0-200	0-1000	0-1000
Torque tolerance		0.5 % F.S		
Max. temp.	^0C	350		
Temp. measuring accuracy	^0C	±1		
Heating/cooling method		Electrical heating / Air cooling		
Driving power	kW	3	7.5	7.5
Total power	kW	4.5	9.3	9.3
Weight	kg	300	700	700
Size (L×W×H)	mm	1250×690×1350	1500x900x1700	1500x900x1700