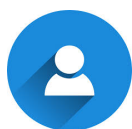




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**RHEOMETER**

**MDR-01**

# RHEOMETER (MDR-01)

## Standard features (Function & Operation)

- In design the core structure of MDR-01 is made of rust-proofing material, Which is easy for maintenance and cleaning.
- Protection door System.
- Overheating protection system.
- Overload protection function.
- High quality torque transducer and accurate torque measurement.
- Stand-Alone: On the built-in touchscreen, Set test condition, show test result, X-R Chart and Histogram, Show the temperature and Heat efficient on platens during test, etc.
- Can print out the test result by compact printer or Dot matrix printer.
- Set the accuracy of temperature by adjusting linearity of temperature by at least 6 point on touchscreen.
- In case of use with a computer, User can set acceptable range for test results by setting reference values in the Data Process Software.

## Options

- Data Process Unit interface to Personal Computer
- Small Printer
- Service (Maintenance and Calibration)

## Specification

1. Reference standards	ASTM D 5289, ISO 6502
2. Die configuration	Biconical Die, closed die system, sealed
3. Pressure system	Air cylinder system
4. Temperature System	PID Microprocessor Controlled
5. Temperature range	Probe RTD Pt 100 $\Omega$ (Class A)
	Room Temp. (+25 °C) to 250 °C
	Accuracy 0.1°C
6. Oscillation frequency	Resolution 0.1°C Units °C/ °F
	100 cpm. (1.667 Hz)
	0.5°± 0.03°, 1.0°± 0.01°
7. Oscillation angle	
8. Drive Motor	Servo Motor
9. Torque Measurement	Torque Transducer (Direct Torque Measurement)
11. Torque Calibration	Standard Toque Reference value
12. Operation Panel	Capacitive Touch Screen, 5 Inches (Standard Alone)
13. Measured Time	1/60 sec, 1/100 sec
14. Communication Data	Unit (min-min/ min-sec/ sec)
	RS-232
15. Associated program (Option)	Data Process Software
20. Electric power source.	AC 220 V±10, 50/60 Hz.
18. Dimension of main MDR-01 (W×D×H).	50 cm × 54.5 cm × 105 cm.
	Weight 140 kg