SPIRAL VISCOMETER（PM-2）

Rotational viscometer of co-axial double cylinder type by spiral pump method.
Rechargeable batteries
Compact and handy.

Feature
● Compact and handy.
● Continuous measurement of newtonian and non-newtonian fluids with constant shear rate and shear time.
● Digital display of Pa · S
● Models available for 3 ranges of viscosity measurement.
● User performable calibration.
● Temperature sensor allows for temperature measurement of sample.
● Satisfies the following international standards: JIS Z8803 ISO 3219 3672/1 7387/1 DIN 53109 ASTM D2196-89
D2556-69
● Applications include: various paints, inks, pastes, polymer resins, rubber, plastic, foods, adhesives, etc.

product specification

Item	Specification		
Model Name	PM-2A	PM-2B	PM-2C
Measurement Range	5.0～500Pa・s	0.20～19.99Pa・s	20～1999mPa・s
Speed Range	10RPM±5% ※1	40RPM±5% ※1	40RPM±5% ※1
Shear Rate	0.6×N s-1 (10RPM:6s-1)	1.2×N s-1 (40RPM:48s-1)	4.8×N s-1 (40RPM:192s-1)
Measurement Accuracy	±10%of indicated value		
Repeatability	±3%		
Power Supply	Ni-Cd Rechargable Battery & 100V-240V AC Adaptor		
Weight	640g	740g	
Temperature Sensor	Pt Sensor, Measurement range: 0 - 50C, Accuracy: +/-0.5C		

- *1 Other than arbitrary fixed speeds (10, 20, 30, 40, 50, 60).
- ● Material of Case: polyarylate (common to each type)

  (Note) Since each machine is a dedicated machine, the rotor of a different type can not be used.
- * The above specifications are subject to change without notice.

【Option】

Special ultrasonic cleaner	VS-25
Calibration Fluid	Silicon Oil KF96H 100cc(Type A, Type B) 300cc(Type A, Type B, Type C)
Spare Rotors	Outer Cylinder : ROM-2 (A, B, C) Inner Cylinder : RIM-2 (A, B, C)
Measurement Stand	for fixed measurement

【Measurement Items with Software】

Automatic measurement, Data readout, Flow characteristics graph, Viscosity index k, Thixotropy index TI, Automated calculation of Viscosity non-recovery rate R and etc.