

SPIRALVISCOMETER(PC-11)

You can measure the viscosity of the fluid ranging from low viscosity to high viscosity sensor by the spiral of its own.

**The wide range measurement
Changing rotors type A, B & C**



Feature

- Spiral pump sensors and system measure materials of high thixotrophy reproducibly.
- The sensors makes it possible for the continuous measurement of materials the viscosity of which change by mixing.
- Shear rate & Shear time are constant, Good reproducibility
- The wide range measurement is possible by changing rotors type A, B & C.

product specification

Item	Specification		
Model Name	PC-11		
Rotor Type ※1	A	B	C
Viscosity Range	5~800 (Pa · s)	0.2~20 (Pa · s)	20~2,000 (mPa · s)
	(50~8,000P)	(2.0~200P)	(20~2,000cP)
Speed Range (N)	3~80rpm	10~80rpm	
	FIX : 10rpm	FIX : 40rpm	
Shear Rate (D)	0.6×Ns ⁻¹	1.2×Ns ⁻¹	4.8×Ns ⁻¹
Min. Sample Amount	5cc	40cc	60cc
Measurement Accuracy	±5% of indicated value		
Speed Accuracy	±2%		
Temp. Measurement	0~50°C Resolution: 0.1°C Accuracy: ±0.5°C		
Rotor Material	SUS		
Digital Display	Viscosity, Temp, rpm		
Digital Output	USB ・ RS232C ※2		
Recorder Output	Viscosity, Temp		
Calibration	According to the standard calibration solution KF96 liquid or semi-standard options for viscosity calibration JIS Z8809		
Power Supply	Viscosity & Temp.		
Outer Dimension	260(W)×260(D)×346(H) (mm)		
Weight	Approx. 4.6kg (including Sensor part, approx. 0.6kg)		

- ※1 The standard set contains one kind of rotor only, type A, B or C is included. Others are option.
- ※2 RS232C is digital output only.
- ※ The above specifications are subject to change without notice.

【Option】

Proprietary software	VAM-3
Calibration Fluid	Semi-standard calibration fluid KF96 100cc or 300cc
Spare Rotors	Outer rotors: RO-1A, RO-1B, RO-1C Inner rotors: RI-1A, RI-1B, RI-1C
Communication Cable	USB cable, Proprietary 232C cable

【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.

