

PCU-02V

SPIRAL VISCOMETER



- Measure the Viscosity & Thixotropy with 0.2cc, Small Amount of Sample.
- Malcom's Unique Spiral Sensor realizes continuous measurement of non-newtonian fluids with good repeatability.
- The measurement settings & data save are easily available with the software.

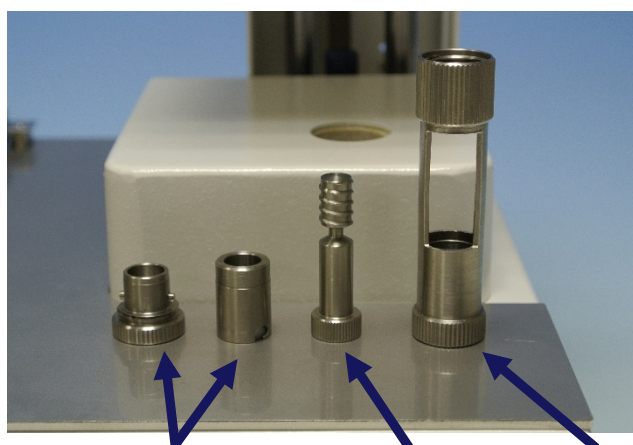
- PCU-02V is a optimum device for Expensive Materials Testing & Analysis, obtaining the Viscosity Characteristics with 0.2cc, Small Amount of sample.
- New-developed Spiral Pump Sensor enables to measure materials having high Thixotropy with good repeatability. (constant Shear rate & time)
- Temp. Control function allows for more accurate measurement and temp. characteristics analysis.
- The software makes it possible for Automatic Measurement & etc.

SPECIFICATIONS

Measurement Range	20~300Pa.s (20~50Pa.s 20rpm · 50~300Pa·s 10rpm)
Sample Amount	0.2cc
Speed Range (N)	1~100RPM FIX: 10rpm
Shear Rate (D)	$0.6 \times \text{Ns}^{-1}$
Measurement Accuracy	±5% of the indicated value
Speed Accuracy	±2%
Temp. Control Range	15~40°C (when the room temp. is 25°C) Built-in thermostat
Temperature	0~50°C Resolution: 0.1°C Accuracy: ±0.5°C
Sensor	SUS
Digital Display	Viscosity · Temp. · rpm
Digital Output	USB
Recorder Output	Viscosity: 1mV/Pa·s Temp: 10mV/°C
Calibration	JIS Z8809 Standard Fluid for Viscosity Calibration or Semi-standard calibration fluid KF96 (option)
Power Supply	AC100V~240V 50/60Hz 100VA
Outer Dimension	315(D) x 335(W) x 376(H) mm
Weight	Approx. 8kg (including sensor part, approx. 1kg)

* Measurement Accuracy is the accuracy of the PCU-02V tested with Semi-standard calibration fluid under the room temp. $25 \pm 2^\circ\text{C}$ & 10rpm.

* The specifications are subject to change without notice.



Sample Containers

Inner Rotor

Outer Rotor

Representative

Soldering Process Devices
LED Manufacturing Devices
Bio-Technology Products

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