

## MALCOM SPIRAL VISCOMETER PCU-201

### Features

- Continuous measurement of Newtonian and non-Newtonian fluids with constant shear rate and shear time.
- Quick and easy measurements by using the solder container as is.
- Automatic control of measurement according to JIS standards (PCU-203, 205) regardless of operator skill.
- Built-in dot-matrix printer allows logging of acquired measurements.
- Fully automatic temperature control of sample by use of built-in temperature controller.
- External computer control for acquisition and rheological analysis of sample. (PCU-205)
- Applications:  
Solder paste, thick film paste, adhesives, solder resists, liquid resists, other ink, and pastes, etc.

### Usage

Rotational viscometer of co-axial double cylinder type by spiral pump method.

### Specification

Item	Specification		
Model Name	PCU-201	PCU-203	PCU-205
Sensor	Malcom Spiral Pump Type		
Measurement Range Pa · s	5Pa · s - 800Pa · s		
Speed Range N	1 - 50RPM		
Shear Rate D	$(0.6 \times N) \text{ s}^{-1}$		
Measurement Accuracy	±5% of indicated value		

Speed Accuracy	+/-2% of set point		
Repeatability	+/-0.5%		
Temp. Control Range	Room temperature +/-5C (setting range 15 ~ 35C) with built-in heater unit		
Other Functions	Contact output, buzzer (In the case of the set viscosity value)		
Recorder Output	Viscosity : 1mV/Pa · s, Temperature : 10mV/C		
Printer Display	Temp, Visc, S.Rate, RPM, Date, Time		
Automatic Measurement	---	JIS Standard method	JIS plus On-line method*
Interface	---	---	RS-232C
Outer Dimension	275(W)×215(D)×465(H) ( mm )		
Power Supply	AC100V ~ 240V 50 / 60Hz 70VA		