Model R115 Viscometers

The Model R115 viscometer was developed for flow analysis of viscous fluids and to determine flow property values. The viscometer's 39-step speed change, programmable measurement function enables a wide range of viscosity measurement. Flow is easily analyzed by using the special data processing software (option) available with the instrument. This series is ideal for use in material design-related R&D as well as in manufacturing process control and quality control applications.

Feature

● Programmable measurement function with maximum 45-step automatic speed change measurement
● Pivot jewel bearing protection mechanism prevents damage to bearing and facilitates rotor attachment and removal
● Zero tracking function enables measurement without hysteresis
● Rotation slow-up, slow-down function allows measurement without subjecting sample to sudden shocks
● Viscosity data processing software (option) enables flow analysis and determination of flow property values
● Integrated temperature converter with input from resistance thermometer (sold separately) provides simultaneous display and output of viscosity and temperature
● Data conforms to JIS and ISO standards and is interchangeable with those of Model B viscometers (RB115 series)

Options

■ **Printer**
Special printer for print record of recorded measurement data

■ **Small sample adaptor**
Mounted on viscometer unit, enables viscosity measurement of small samples

■ **Low viscosity L adaptor**
Mounted on model RB115, enables measurement of low viscosities below 15 mPa·s

■ **Helical stand**
Ideal for manufacturing process control, quality control, etc., of thixotropic substances such as pastes and gels

■ **Cone option**
48' X R24, 3° X R17.65, etc., cone options are available for mounting on RE115 series models

■ **Temperature baths**
Specialized temperature baths are recommended for precise viscosity measurements

■ **Solvent trap**
Effective for viscosity measurement of samples which include high volatility solvents

■ **Analytical software**
Special analytical software enables flow analysis, time dependent analysis, and temperature dependent analysis

Specifications

Measurement range	15~320,000,000 mPa·s < RB115,(L,H,R,S,U), 5 types >
Measurement range	0.6~512,000 mPa·s < RE115 (L,H,R,U), 4 types >
Accuracy	within ±2% of full scale
Repeatability	within ±0.2% of full scale
Power	AC100±10% 50/60Hz,
Power consumption	20VA
Weight	RB115 models, approx. 11 kg (including stand, controller) RE115 models, approx. 11 kg (including stand, controller)