

## Specifications

Measurement range	No. 3 rotor: 0.3 to 13 dPa·s (with No. 3 cup) No. 1 rotor: 3 to 150 dPa·s (with JIS 300 mL beaker*1) No. 2 rotor: 100 to 4000 dPa·s (with JIS 300 mL beaker*1)
Sample fluid capacity	No. 1 and No. 2 rotor (with JIS 300 mL beaker*1) approx. 300 mL No. 3 rotor (with No. 3 cup) approx. 150 mL Clearance between rotor end and cup bottom: about 15 mm
Measurement accuracy	±10 %±1 digit of indicated value, reproducibility ±5 %
Rotor speed	62.5 rpm
Power supply	IEC LR6 (size AA) alkaline batteries, nickel-hydrate rechargeable batteries, AC adapter VA-05JA

Dimensions and Weight	175 (H) × 77 (W) × 40 (D) mm (without protruding parts), Approx. 260 g (without batteries)		
Supplied accessories	No. 1 rotor (dia. 24 × 53 × 166 mm)	SUS304	1
	No. 2 rotor (dia. 15 × 1 × 113 mm)	SUS304	1
	No. 3 rotor (dia. 45 × 47 × 160 mm)	SUS304	1
	No. 3 Cup (dia. 52.6 × 75 mm)	SUS304	1
	Extension rod (900 mm · 300 × 3)	SUS304	1
	IEC LR6 (size AA) alkaline batteries		4

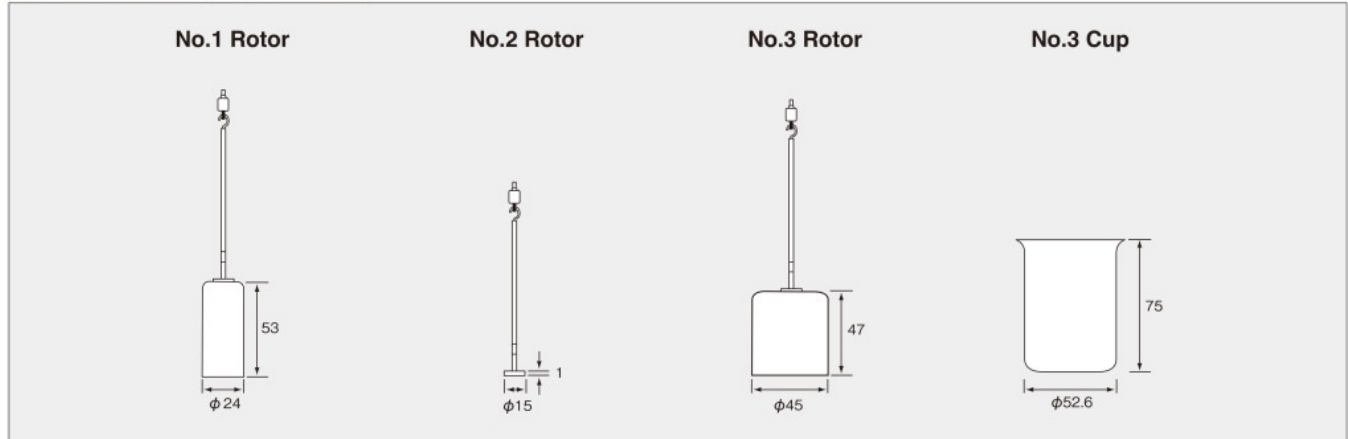
Note : The Viscometer cannot measure accurately with anything other than supplied cups or the JIS 300 mL beaker.

\*1 JIS R 3503 : 1994, φ78×103 (H)

### Options

Product name	Product number
Stand	VA-04
AC adapter	VA-05JA

## Rotors and Cups (unit: mm)



## Sample amount for measurement

No.3 Cup	approx.150 mL
Commercially available 300 mL beaker	approx.350 mL

Note: For certain fluids, readings may differ slightly from other viscometers, depending on properties of target fluids, mechanical factors, as well as specific gravity, rotor speed, and other aspects.

## Viscometer measurement examples (for reference)

Product type	Viscosity	Rotor
Newtonian fluids		
Castor oil	6 dPa·s	No.3
Starch syrup	1000 dPa·s	No.2
Non-Newtonian fluids		
Condensed milk	16 dPa·s	No.1
Chocolate syrup	25 dPa·s	No.1
Tomato ketchup	43 dPa·s	No.1
Pure honey	76 dPa·s	No.1
Toothpaste	320 dPa·s	No.2
Starch paste	310 dPa·s	No.2

\* Measurement temperature: 23 °C

## CGS Unit and SI Unit

$$1\text{cP} = \frac{1}{1,000}\text{Pa}\cdot\text{s} = 0.01\text{dPa}\cdot\text{s} \quad 1\text{P} = \frac{1}{10}\text{Pa}\cdot\text{s} = 1\text{dPa}\cdot\text{s}$$

P(poise), cP(centi poise), Pa·s(pascal-seconds), dPa·s(decipascal-seconds)



**JCSS**  
JCSS 0197

RION CO., LTD. is recognized by the JCSS which uses ISO/IEC 17025 as an accreditation standard and bases its accreditation scheme on ISO/IEC 17011. JCSS is operated by the accreditation body (IA Japan) which is a signatory to the Asia Pacific Accreditation Cooperation (APAC) as well as the International Laboratory Accreditation Cooperation (ILAC). The Quality Assurance Section of RION CO., LTD. is an international MRA compliant JCSS operator with the accreditation number JCSS 0197.

\* Specifications subject to change without notice.

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