SPECIFICATIONS

	FPV 01 (Low Viscosity)			FPV 02 (High Viscosity)		
Measurement Range	No. 4 rotor:2 to 33 mPa·s No. 5 rotor: 15 to 150 mPa·s No. 3 rotor: 50 to 300 mPa·s			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) No. 2 rotor: 100 to 4000 dPa·s (with JIS 300 mL beaker)		
Sample Fluid Capacity	Approx. 460 mL (with Cup A or Cup B)			No. 1 and No. 2 rotor (with JIS 300 mL beaker) approx. 300 mL No. 3 rotor (with No. 3 cup) approx. 170 mL Clearance between rotor end and cup bottom: about 15 mm.		
Measurement Accuracy	Within ±5% of maximum measurement range for each rotor			±10% of indicated value, reproducibility ±5%		
Rotor Speed	62.5 rpm					
Power Supply	IEC LR6 (size AA) alkaline batteries, nickel-metal hydride rechargeable batteries, AC adapter (55					
Dimensions and Weight	175 (H) x 77 (W) x 40 (D) mm (without protruding parts). Approx. 260 g (without batteries)					
Supplied Accessories	No. 3 rotor (dia. 45 x 47 x 160 mm)	SUS304	1	No. 1 rotor (dia. 24 x 53 x 166 mm)	SUS304	1
	No. 4 rotor (dia. 78 x 46 x 159 mm)	A1050 (alumite)	1	No. 2 rotor (dia. 15 x 1 x 113 mm)	SUS304	1
	No. 5 rotor (dia. 61.2 x 36 x 149 mm)	A1050 (alumite)	1	No. 3rotor (dia. 45 x 47 x 160 mm)	SUS304	1
	Cup A (dia. 92 x 76 mm, without hole)	A1050 (alumite)	1	No. 3 Cup (dia. 45 x 47 x 160 mm)	SUS304	1
	Cup B (dia. 92 x 76 mm, with hole)	A1050 (alumite)	1	Extension rod (900mm, 300x3)	SUS304	1
	IEC LR6 (size AA) alkaline batteries		4	IEC LR6 (size AA) alkaline batteries		4

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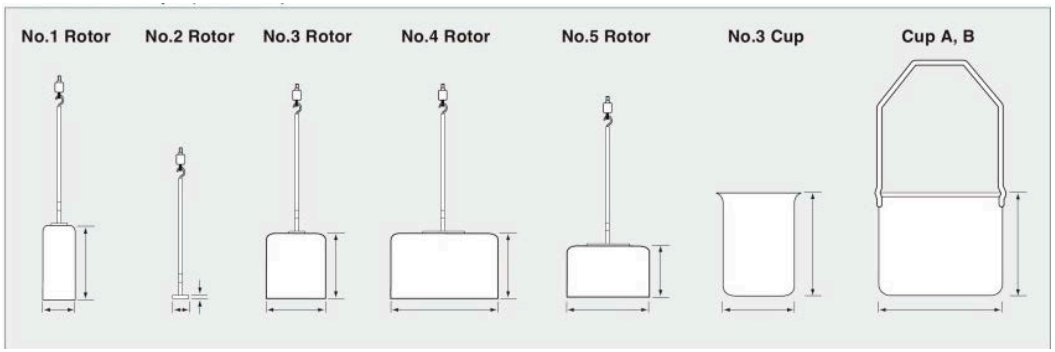
Options

Product Name	Product Number
Stand	
AC Adapter	)

VISCOTESTER MEASUREMENT EXAMPLES (FOR REFERENCE)

Product Type	Viscosity		Viscotester	Rotor
Newtonian Fluids:				
Milk	2.6	mPa·s	FPV 01	No. 4
Soy Sauce	5	mPa·s	FPV 01	No. 4
Lactic Fermented Beverage	28	mPa·s	FPV 01	No. 5
Olive Oil	71	mPa·s	FPV 01	No. 5
Castor Oil	6	dPa·s	FPV 02	No. 3
Starch Syrup	1000	dPa·s	FPV 02	No. 2
Non-Newtonian Fluids:				
Tomato Juice	230	mPa·s	FPV 01	No. 3
Condensed Milk	16	dPa·s	FPV 02	No. 1
Chocolate Syrup	25	dPa·s	FPV 02	No. 1
Tomato Ketchup	43	dPa·s	FPV 02	No. 1
Pure Honey	76	dPa·s	FPV 02	No. 1
Toothpaste	320	dPa·s	FPV 02	No. 2
Starch Paste	310	dPa·s	FPV 02	No. 2

ROTORS AND CUPS (UNIT: mm)



	FPV 01	FPV 02
Cup A	approx. 460 mL	—
No. 3 Cup	—	approx. 170 mL
Commercially available 300 mL beak	—	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.

$$1\,cP = \frac{1}{1000}\,Pa \cdot s = 1\,mPa \cdot s$$

$$1\,P = \frac{1}{10}\,Pa \cdot s = 1\,dPa \cdot s$$

Fungilab
Leading Viscosity Technology