


**No. 162 SLIP TESTER**

**No. 162-S5 5 HANGINGS SLIP TESTER**


No.162



No.162-S5

JIS-P8147 (Gradient Method), ASTM-D1894, D3248, TAPPI-(T503), (T542), T815

**FEATURE**
**No. 162 SLIP TESTER**

This tester is used to measure the friction coefficient of plastic film and paper according to the inclination method. By inclining the inclination board at a constant speed, the static friction coefficient can be measured at the tangent at which the test specimen starts to slip.

**No. 162-S5 5 HANGINGS SLIP TESTER**

This tester is the digital 5 hangings version of the SLIP TESTER. The tester enables the operator to measure the static friction coefficient of 5 test specimens per test. The static friction coefficient can be displayed on the LCD screen and can also be printed out. The computer system of the tester will also calculate the average static friction coefficient of 5 test specimens.

**SPECIFICATION**

Model	No. 162	No. 162-S5
Sled	W60 mm, L100 mm, Mass 1,000 g	W41 mm, L26 mm, Mass 150 g, 5 pcs
Inclination Board	Upper Glass Plate, Slip Surface Affective Length: 600 mm	W320 mm, L325 mm
Inclination Angle	0 to 70° (Analog Scale, Unit 0.2°)	0 to 70° (Scale 0.1°)
Inclination Speed	1°/s	1°/s
Return Speed	-	3°/s, Automatic Return System
Power Source	AC 100 V, 1-Phase, 3 A, 50/60 Hz	AC 100 V, 1-Phase, 10 A, 50/60 Hz
Dimensions/Weight (Approx.)	W750 × D350 × H425 mm/ 29 kg	W550 × D600 × H320 mm/ 50 kg

**No. 162-FS SLIP TESTER (HORIZONTAL METHOD)**


No.162-FS  
Option: Safety Cover Attached



No.162-FS  
Option: Heating Plate Spec.

JIS-K7125, P8147, ASTM-D3247, ISO-8295, TAPPI-T816

**FEATURE**

This tester is used to measure the friction coefficient of plastic film and paper according to the horizontal method. The operator is to attach the test specimen to the sliding surface and sliding sled, then pull the sled with a metal wire that is connected to a load cell to acquire the static coefficient of friction and dynamic coefficient of friction.

**SPECIFICATION**

Test Method	Paper and Paperboard	Plastic Film
Weight	W60 mm, L100 mm, Mass 1,000 g	63 × 63 mm (Abrading Surface 40 cm <sup>2</sup> ), Mass 200 ± 2 g (1.96 ± 0.02 N)
Flat Board	W200 mm, L380 mm	
Specimen	Surface: W100 mm, L250 mm Sled: W60 mm, L120 mm	W80 mm, L200 mm, T0.5 mm or Less
Friction Measuring	Load Cell: Max. 10 N, 20 N, 50 N	
Speed	10.0 ± 0.2 mm/min	100 ± 10 mm/min or 500 ± 10 mm/min
Accessories	-	Accessory Plate (Mass Less than 5 g)
Option	Variable Speed Spec, Software, Recorder, Heating Plate Spec.	
Power Source	AC 100 V, 1-Phase, 5 A, 50/60 Hz	
Dimensions/Weight (Approx.)	W570 × D280 × H330 mm/ 27 kg	

\*Power source, dimensions, weight may differ by specifications.

## No. 162-OY O·Y PULL SLIP TESTER



No.162-OY  
Option: Specimen Holder

JIS-A1454, A1509-12

### FEATURE

This tester evaluates the slippage of floor material. The coefficient of slip resistance can be measured by the maximum tensile load at the point when the test specimen and the slip head come into contact. The slip head is pulled 18° upwards with a prescript load/speed to acquire the maximum tensile load for calculation of the coefficient of slip resistance (C.S.R). As an option, slippage of clay tiles can also be tested. In addition to the usual C.S.R, C.S.R-B can also be calculated.

### SPECIFICATION

Specimen	100 × 120 mm or More (Ceramic Tile: 90 × 135 mm or More)
Sled	Bottom Surface 80 × 70 mm
Vertical Weight Load	Initial 294 N (30 kgf) to Max. 785 N (80 kgf) (Standard: 785 N)
Tension Angle	18°
Tension Load Measuring	Load Cell, Max. 5 kN (Scale 1 N)
Tension Load Speed	785 N/s
Software	Windows Compatible
Option	Specimen Holder (Standard and Nosing Edge type), Ceramic Tile Spec (with Sled, Testing Powder, C.S.R.-B Measuring Software)
Power Source	AC 100 V, 1-Phase, 10 A, 50/60 Hz
Dimensions/ Weight (Approx.)	Main Body: W1,500 × D500 × H1,100 mm/ 300 kg Control Box: W230 × D310 × H210 mm/ 5 kg