No.162 Slip Tester | YASUDA SEIKI SEISAKUSHO LTD. providing you the best material testing equipment.

Contents

No.162 SLIP TESTER

JIS-P8147

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.

Specification

Sled	W60 mm, L100 mm, Mass 1,000 g
Slip Surface Affective Length	600 mm (Scale attached) *Slip Detection Sensors are installed by default.

Inclination Angle	0 to 90° (Analog Scale, unit 0.2°)
Inclination Speed	1 °/s
Power Source	AC 100 V, 1-Phase, 3 A, 50/60 Hz
Dimensions/ Weight (Approx.)	W750 × D350 × H425 mm, 29 kg

No.162-FS SLIP TESTER (HORIZONTAL METHOD)

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

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.

Test Method	Paper and Paperboard	Plastic Film
Abrading Head	W60 mm, L100 mm, Mass 1,000 g	63 × 63 mm (Abrading Surface 40 cm2) Mass 200 ± 2 g (1.96 ± 0.02 N)
Flat Board	W200 mm, L380 mm	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	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.	Variable Speed Spec, Software, Recorder, Heating Plate Spec.
Power Source	AC 100 V, 1-Phase, 5 A, 50/60 Hz	AC 100 V, 1-Phase, 5 A, 50/60 Hz
Dimensions/ Weight (Approx.)	W570 × D280 × H330 mm, 27 kg	W570 × D280 × H330 mm, 27 kg

No.162-OY O-Y PULL SLIP TESTER

JIS-A1454、A1509-12

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 touch each other. When the test specimen and the slip head touch each other, the slip head is pulled 18° upwards at a prescript load speed to acquire the maximum tensile load for the calculation of the coefficient of slip resistance (C.S.R) As an option, slippage of clay tile 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 (Ceramic Tile: 90 × 135 mm)
Sled	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.)	Tester Body: W1,500 × D500 × H1,100 mm, 300 kg Control Box: W230 × D310 × H210 mm, 5 kg

No.162-S5 5 HANGINGS SLIP TESTER

JIS-P8147、ASTM-D1894、D3248、TAPPI-(T503)、(T542)、T815

This tester is the digital and 5 hanging 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 shown 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 the 5 test specimens.

Specification

Sled	W41 mm, L26 mm, Mass 150 g, 5 pcs
Inclination Board	W320 mm, L325 mm

Inclination Angle	0 to 70° (Scale 0.1°)
Inclination Speed	1°/s
Return Speed	3°/s, Automatic Return System
Power Source	AC 100 V, 1-Phase, 10 A, 50/60 Hz
Dimensions/ Weight (Approx.)	W550 × D600 × H320 mm, 50 kg