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Contents

No.125 CABTYRE CABLE FLEXING TESTER

JIS-C3005

This tester is used to conduct a flexing test on rubber and plastic electric insulated wires. The operator is to insert the test specimen into the rotator' s through-hole and attach both ends of the test specimen. After the test specimen has been continuously rotated 200 times at a prescript rotating speed, the operator is to check the number of disconnections to each of the wires, cracks, and breakage at the attaching point of piercing point.

Specification

Roter-Hole Distance	Method A: 100 mm, Method B: 150 mm
Roter-Chuck Distance	Method A: 300 mm,

	Method B: 200 mm
Rotation Speed	20 rpm
Counter	6 Digits Preset Counter
Power Source	AC 100 V, 1-Phase, 15 A, 50/60 Hz
Dimensions/ Weight (Approx.)	W1,000 × D770 × H700 mm, 150 kg

No.254 PLUG FLEXING TESTER

JIS-C3662-2, C8306, IEC-60227-2
This tester is used to test the bending endurance of plugs. Hanging prescript weight

on one end of the plug and repeatedly bending the other end 60° back and forth for a

prescript number of times. After a prescript number of times the plug has been bended, the operator is to check the disconnection rate of the plug to determine the bend stress strength. Also, to test chloride insulating cables, the plug will be flexed left and right repeatedly at a 90° angle.

Specification

Hangings	1, 2, 3, or 4 Hangings (4 kinds)
Flexing Angle	Left-Right 60°, 90° (2 Stage Type)
Flexing Speed	40 times/min (20 rt/min)
Weight	500 g
Bracing	300 mm from Pivot, Spacing 40 mm
Counter	6 Digits Preset Counter
Option	Conduction Device
Power Source	AC 100 V, 1-Phase, 10 A, 50/60 Hz

Dimensions/ Weight (Approx.)	Differ by Specifications.

No.256 OUTLET PLUG DURABILITY TESTER

JIS-C8306

This tester is used to conduct an opening and closing test on electric plugs. The operator is to evaluate the durability of the plugs by fixing the plug and the outlet to a Chuck and horizontally opening and closing them repeatedly. It is also possible to connect a load device to the tester.

Specification

Hangings	2, 4, or 6 Hangings (3 kinds)

In-Out Speed	10 times/min, 20 times/min (2 Stage Type)
Counter	6 Digits Preset Counter
Option	A-meter, V-meter, Energizing Terminal, Loading Device
Power Source	AC 100 V, 1-Phase, 5 A, 50/60 Hz
Dimensions/ Weight (Approx.)	2 Hangings: W650 × D250 × H450 mm, 50 kg 4 Hangings: W650 × D500 × H600 mm, 60 kg

No.257 OPTICAL FIBER CABLE FLEXING TESTER

JIS-C6821, C6851, C6861, IEC-60794

This tester is used for conducting flexing tests on optical fiber cables and cords. The sample specimen is applied a certain amount of weight and bent 90° in both directions. The specimen is then evaluated by examining the damage and loss caused by the test.

Specification

Hangings	1 hanging, 3 hangings, 6 hangings (3 kinds)
Flexing Angle	Left-Right 45°, 60°, 90° (Standard Value 90°)
Flexing Speed	2 sec./ 1 cycle
Flexing Mandrel Diameter	R15 mm
Weight	500 g, 1,000 g
Option	Break Detection Function
Power Source	AC 100 V, 1-Phase, 10 A, 50/60 Hz
Dimensions/ Weight (Approx.)	Differs by Specifications.

No.259 OPTICAL FIBER CRUSH TESTER

JIS-C6821, C6851, C6861, IEC-60794
This tester is for conducting optical fiber cable crushing tests among the testing methods of mechanical characteristics for optical fiber cable or cord.

The specimen is placed between steel plates and applied force continuously but not rapidly to avoid impact. When the test is finished, the specimen is measured the loss and examined after set for 1 min. or more.

Specification

Movable Plate	Width 100 × Length 200 mm

Crushing Force	7 N/mm, 14 N/mm
Dimensions/ Weight (Approx.)	W700 × 350 × H500 mm, 10 kg

No.262 ELECTRIC CORD BENDING TESTER

JIS-C3662-2, C3663-2, IEC-60227-2, 60245-2

This tester is to evaluate the flexibility of vinyl chloride and rubber insulation cable. The operator is to attach the test specimen at an S-shaped using the 2 pulleys that are fixed on both ends of the machine and also 2 pulleys that are fixed to the slider that slide across the test specimen. Test load will be added to both ends, and slide the slider parallel so that tensile force will be added to the opposite direction that the slider is moving to. The tester is designed so that it can detect the short circuit during the test.

Specification

Specimen Sectional Area	0.5 to 4.0 mm2
Pulley	Choose from ϕ60, 80, 120, 160, 200 mm
Slider Speed	0.33 m/sec
Slider Length	More than 1m
Weight Load	Choose from Initial 0.5 to 9.0 kg
Load Device	Electric Current Range: 0.1 to 30 A Per Phase
Power Source	Primary: AC 200 V, 3-Phase, Star Connect, 20 kVA, 50/60 Hz Secondary: 230 V, 1-Phase/ 400 V (Attached with Voltage Changer), 3-Phase, Star Connection, 3-Phase 4 Line, Neutral Line Earth
Dimensions/ Weight (Approx.)	W2,200 × D1,100 × H1,600 mm, 950 kg