

Switch Feeling Testers

GT-FL500

Capacity: 50N (5Kgf)
Force-Displacement



[Standard Configuration]

- XYZ automatic stand
- Measurement unit
- Load cell
- Measurement software
- ※ Personal computer is optional.

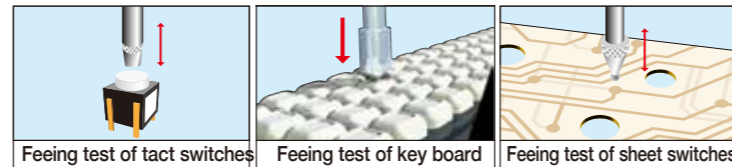
This tester is dedicated to feeling tests of force-displacement of various switches, keyboard switches, dome switches, rubber switches, etc. Three axes of X, Y and Z can be controlled automatically. The tester is capable of testing 16 ON/OFF contacts maximum. The tester is equipped with a jog dial to facilitate teaching. Waveforms are displayed in real time on the amplifier and PC screen.

MODEL-1616W

Capacity: 50N (5Kgf)
Force-Displacement



This tester is dedicated to feeling tests of force-displacement of various switches, dome switches, rubber switches, etc. The Z axis is capable of measurement in the minimum unit of 1μ for precision measurement. The X axis can be moved to a desired position manually. By using the CF card V-103A, feeling test points can be measured.

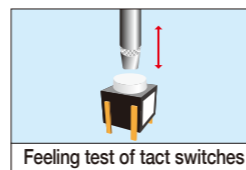


Z-axis (Test) Standard Specifications

Max. force	50N (5Kgf)
Drive motor	AC servo motor
Control motion	UP/DOWN
Drive range	0 to 200 mm
Force measuring range	0 to 50N (0 to 5Kgf)
Force resolution	0.001N (1mN)
Force accuracy	0.1N (100mN)
Displacement measuring range	0 to 200 mm
Displacement resolution	0.001 mm
Displacement accuracy	±0.03 mm
Test speed range	0.1 to 50 mm/min.
Moving speed range	1 to 15 mm/sec.
Analog output	±10V (Force, displacement)
Tester size	W750 x H900 x D560 mm
Weight	Approx. 50Kg
Power supply	100VAC

X-Y axes (Move) Standard Specifications

Drive motor	Stepping motor
Control motion	X: Right/left, Y: Front/back
Drive range	X: 0 to 450 mm, Y: 0 to 200 mm
Displacement resolution	0.01 mm
Displacement accuracy	±0.1 mm
Moving speed range	1 to 30 mm/sec.
Specimen table size	W550xD280 mm
Specimen carrying weight	Approx. 20Kg



Standard Specifications

Max. force	50N (5Kgf)
Test speed	1 to 300 mm/min.
Stroke	150 mm, ball screw
Test stroke	When using linear gauge: 0.000 to 30.000 mm When using rotary encoder: 0.00 to 150.00 mm
Displacement display	30.000 mm, minimum 1μ possible (When using linear gauge)
Detector	Linear gauge (or Rotary encoder)
Right-left movement	Manual: 200 mm
Drive motor	Servo motor
Table size	W480xD200 mm
Weight	Approx. 22Kg
Size	W630xH910xD400 mm
Power supply	100VAC

Horizontal Force Tester

MODEL-2152VCE

Capacity: 500N (50 kgf)
Force -Displacement



Standard Specifications

Max. force	500N (50 kgf)
Test speed	10 to 80 mm/min.
Speed changing	In five steps or continuous
Stroke	150 mm
Displacement display	Provided
Detector	Rotary encoder
Display resolution	0.01 mm
Display accuracy	0.1 mm
Z-axis stroke	40 mm
Distance between test center & Z-axis plane	77.5 to 117.5 mm
Table size	W100 x D100 mm
Drive motor	DC brushless motor
Driving mechanism	Trapezoidal screw
Driving mechanism guide	Linear ball bush
Weight	Approx.23kg
Size	W518 x H314 x D345 mm
Power supply	100 to 240 VAC,0.5A

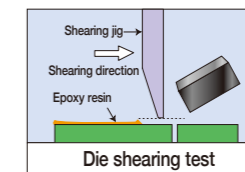
Standard Configuration

- Tester: MODEL-2152VCE
- Measuring amplifier MODEL-1016C
- Load cell:1pc

The MODEL-2152VCE is a horizontal force tester designed for compression and tensile force tests up to 50 kgf (500 N) as well as breaking tests and force -displacement correlation measurement of various electronic parts. It uses the Model-1016C amplifier and displays the measurement results on a LCD panel.

Small Size Electronic Parts Strength Evaluation Tester (IC Strength Tester)

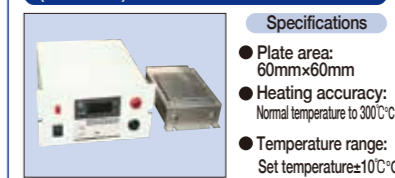
MODEL-2252RDH



Standard Specifications

Max. force	200N(20kgf)
Test speed	10 to 80 mm/min.
Speed changing	In five steps or continuous
Stroke	150 mm
Displacement display	None
Z-axis stroke	40 mm
Distance between test center & Z-axis plane	39 to 79 mm
Table size	W90 x D90 mm
Drive motor	DC brushless motor
Driving mechanism	Trapezoidal screw
Driving mechanism guide	Linear ball bush
Weight	Approx.23kg
Size	W518 x H228 x D345 mm
Power supply	100 to 240 VAC,single-phase,0.5A

Hot Plate for Thermal Load Tests (Common) (HTP-OP-1)



Specifications

- Plate area: 60mm×60mm
- Heating accuracy: Normal temperature to 300°C
- Temperature range: Set temperature±10°C

Standard Configuration

- Tester: MODEL-2252RDH
- RZ-20:1pc
- Shearing jig:1pc (2mm,4mm or 8mm)

Options

- Hot Plate
- Printer

The MODEL-2252RDH is designed to measure the adhesion strength of electronic parts mounted on horizontal boards. The sample fixing position may be adjusted in the Z direction. The digital force gage RZ-20 is mounted on the force measuring side and the shearing jig is mounted at the top. It is also possible to mount the hot plate (HTP-OP-1) on the sample fixing side. The force measuring unit of this tester moves to the right and left. It stores measured data, which may be printed or read in a PC.