

This is the compact size  
electric tensile compression  
testing machine with the  
maximum load of 2kN.

IMADA-SS UNIVERSAL TESTING MACHINE

# SVZ-201F

\* Design, appearance and specifications may be changed for modifications or improvements without any prior notice.

Manufacturer

  
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Agency

# IMADA-SS UNIVERSAL TESTING MACHINE

# SVZ-201F

The SVZ-201F type is the electric universal testing machine that can measure various loads up to a maximum load of 2kN. It is a compact size and medium capacity testing machine with improved drive efficiency.

## Characteristics

- It is force middle class. The operation is easy due to in the single column UP / DOWN axis.
- The drive type of the ball screw by single axis.

## Usage example

- Material tests of middle load.
- Various kinds of evaluation tests of machine parts and the products.

Single column with good workability

Touch type operation panel

## Accessories / Option

- Output of ANALOG  
Option to output load and displacement values at 10V/FS for connection to analog equipment.
- Special speed
- Software

## Accessories / Option

### Digital printer DP-1VA

(Option)

※To use this, it is necessary to install the 'Printer output'.



Model	DP-1VA
Printing style	Thermal line dot
Communication	Digimatic output terminal
Paper	No.09EAA082(58X)
Power supply	AC100V (DC Adapter)
Weight	Approx. 390g
Size	W94×D201×H75mm
Accessories	DC Adapter/Paper 1role/Cable C-201

Mitutoyo	
DP-1VA LOGGER	
* MODE 1 *	
DATE 2021/12/ 1	TIME 8:24
* LOG = 0	
* LOG STOP *	
1 8.3	N
2 31.0	N
3 25.4	N
4 42.3	N

## Standard specifications

Model	SVZ-201F-□ (※1)
Maximum load	2kN
Minimum Unit	[Combination of Load Range according to the model]
Load Display	／ [Specifications of Load Range] Reference
Load Precision	JIS 1 class (Indication value ±1% range)
Displacement Minimum Unit	0.01mm
Drive type	Brush-less Motor
Speed Range	5~500mm/min
Stroke	130mm
Sample Mounting Span	175~273mm
Distance of Sample to Column	75mm
Table Size	150×100mm (With T-groove)
Safety Device	Optional setting Upper and Lower Limit Over-load Prevention function
Basic Function	Memory function of the test conditions Peak Hold function Cycle mode function Detect function of Break Point Detect function of Start Point Auto Feed function Auto Start Point Return function Judgment function
Output (※2)	USB
Power supply	AC100V 5A
Weight	Approx. 29kg
Size (※3)	W380×D362×H602mm

(※1) The model symbol is put in □. Refer to [Combination of Load Range according to the model].  
(※2) Analog output and Printer output can be installed with option.  
(※3) The listed "Height" is measured with the UP / DOWN axis at the lower limit.

### Transformer

(Option)

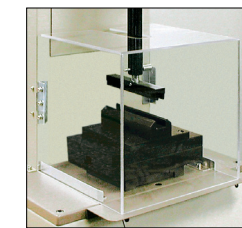
Model	Input	Output	Max. current	weight
CD110-06S	110V	100V	6A	2.3kg
CD120-06S	115~120V			2.3kg
CD220-06S2	220V	100V	6A	5.1kg
CD240-06S2	230~240V			5.1kg

※For overseas use, it is necessary to transform the local voltage to 100V.



### Protection cover

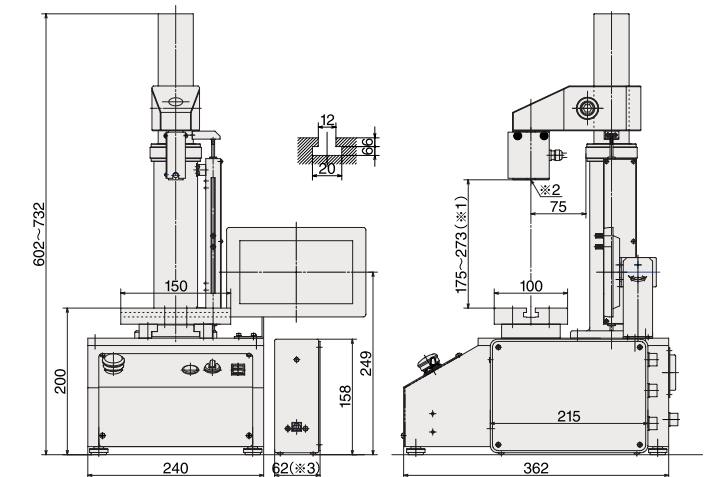
(Option)



Simple model  
The simple model to cover the minimum area in danger.



The whole of the moving part is covered. When a window is not closed, there is the safety device which cannot perform movement of the testing machine.



(※1) "Sample mounting span" is the distance between the loadcell and mounting table when the loadcell-head is placed at the highest position on the axis.  
(※2) Mounting screw size of the loadcell depend on the maximum load.  
Under 500N: M6P1 Male / 1kN or more: M12P1.75 Female  
(※3) For options and custom orders, Model SL-6003 measurement amplifier is "Type B" with the width of 88mm.

## Combination of Load Range according to the model

Model	Usable Range	Setting Load Range							
		2kN	1kN	500N	200N	100N	50N	20N	10N
SVZ-201F-200R1	400N ~ 2kN	●	—	—	—	—	—	—	—
SVZ-201F-200R2	100N ~ 2kN	●	—	●	—	—	—	—	—
SVZ-201F-200R3	20N ~ 2kN	●	—	●	—	●	—	—	—
SVZ-201F-100R1	200N ~ 1kN	—	●	—	—	—	—	—	—
SVZ-201F-100R2	40N ~ 1kN	—	●	—	●	—	—	—	—
SVZ-201F-100R3	10N ~ 1kN	—	●	—	●	—	●	—	—
SVZ-201F-50R1	100N ~ 500N	—	—	●	—	—	—	—	—
SVZ-201F-50R2	20N ~ 500N	—	—	●	—	●	—	—	—
SVZ-201F-50R3	4N ~ 500N	—	—	●	—	●	—	●	—
SVZ-201F-20R1	40N ~ 200N	—	—	—	●	—	—	—	—
SVZ-201F-20R2	10N ~ 200N	—	—	—	●	—	●	—	—
SVZ-201F-20R3	2N ~ 200N	—	—	—	●	—	●	—	●

## Specifications of Load Range

Load Range	Maximum Load Display	Minimum Unit
2kN	2000.0N	1N
1kN	1000.0N	
500N	500.0N	
200N	200.0N	0.1N
100N	100.00N	
50N	50.00N	
20N	20.00N	0.01N
10N	10.000N	
		0.001N

※The usable range is recommended at 20~100% of each setting Load Range.  
※It is possible as an option to add Load Range other than the above listed.