

# MODEL-2256

## INSTRUCTION MANUAL



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**AIKOH**  
ENGINEERING

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# SAFETY INSTRUCTIONS

This page shows important instructions on the safety. Be sure to observe them.

The warning symbols and their meanings are as shown below.

	<p><b>!WARNING</b></p> <p>This mark indicates an urgent situation that is likely to cause serious injury or death, should the product be used improperly.</p>
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Some of the following warning labels are stuck in the positions that require great attention on our product. The meaning of each label is as shown below.

	<p><b>Beware of High Voltage</b></p> <p>Electric wires, devices, etc. are inside. Touching them by mistake may result in electric shocks or electrocution in the worst case.</p>		<p><b>Don't Get Caught</b></p> <p>A driving mechanism is used here. Do not put your hands under the driving mechanism. Otherwise, you may have your hand be caught.</p>
	<p><b>Don't Have Finger Cut</b></p> <p>A rotary mechanism is used here. Do not put your fingers into the rotating mechanism. Otherwise, you may have your finger be cut.</p>		<p><b>Beware of Entanglement</b></p> <p>Gears are used here. Do not put cloth or any other object that are easily entangled. Do not put on gloves or long-sleeve clothes. They may be entangled.</p>

## 1. GENERAL

The Model-2256 is a test stand exclusively designed for our “RX series” and “SX series”

### Features

- ☐ May also be used as a horizontal type stand using the L plate.
- ☐ Moves by 3 mm per handle rotation.

## 2. INSTALLATION ENVIRONMENT

Do not install the Model-2256 in the following places.

- ☐ Install the Model-2256 in as flat place as possible.
- ☐ A place with corrosive or inflammable gas
- ☐ A place with much dust, salt, iron powder or soot
- ☐ A place where vibrations or impacts are applied to the test stand
- ☐ A place subject to splashes of water, oil or chemical

## 3. GENERAL SPECIFICATIONS

Maximum load	500 N (50 kgf)
Moving distance	3 mm per handle rotation
Stroke	240 mm
Table size	200 x 120 mm (Vertical type) (5-mm dia. Tapped holes for mounting jig: 4 positions) 120 x 90 mm (Horizontal type) (4-mm dia. Tapped holes for mounting jig: 4 positions)
	Movement range of horizontal type plate: Approx. 30 mm vertically
Weight	Approx. 16 kg (Vertical type) Approx. 12 kg (Horizontal type)

## 4. ACCESSORIES

- ☐ Instruction manual of Model-2256: 1copy
- ☐ Cap bolt, M4 x 10 (for digital push-pull gauge): 4
- ☐ 3-mm wrench: 1
- ☐ 4-mm wrench: 1
- ☐ 5-mm wrench: 1
- ☐ L plate for horizontal type: 1
- ☐ L plate mounting knobbed screws for horizontal type: 2

## 5. GENERAL PREPARATION

Make preparation in the following procedures.

1. Detach the gauge mount plate from the test stand.  
(It is fixed with four M5 cap bolts.)
2. Attach and fix the gauge to the gauge mount plate.  
Digital gauge: Four M4 x 10 cap bolts  
\* Mount the gauge onto the plate firmly.
3. Attach the gauge mount plate to the test stand with the M5 cap bolts removed above.  
\* Attach the gauge mount plate to the test stand firmly.

Jig

Manufacture a jig on the gauge side so that its weight does not exceed 15% of the maximum load.

## 6. CHANGING INTO HORIZONTAL TYPE

1. Place the test stand on its side.

Remove four M6 cap bolts from the bottom with the 5-mm wrench supplied with the test stand.

The base plate is made of steel. Be very careful.



2. Fix the L plate for the horizontal type with the large head screws supplied with the test stand.



## 7. OUTSIDE DIMENSIONS

