



# **INSTRUCTION MANUAL**

**PROBE STAND for GT-30RA**

MODEL 03-00108A

NOISE LABORATORY CO., LTD.

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# 1. IMPORTANT SAFETY PRECAUTIONS

The "Important Safety Precautions" explain rules that must be followed to prevent any risk of harm or injury to the user of the instrument or to other people.

- **The instrument may only be used by trained EMC technicians (electrical technicians)**

There is a risk of death or serious injury, and of the emission of electromagnetic noise that exceeds the stipulated limits. Please use the instrument in conjunction with appropriate measures for dealing with electromagnetic noise such as a Faraday cage or shielded room.

- **Do not use the instrument for any purposes other than the EMC testing purposes described in this instruction manual**

Failure to follow this rule risks death or serious injury.

- **The instrument may not be used by people fitted with electronic medical devices such as pacemakers and such people may not enter the testing site while the instrument is operating**

Failure to follow this rule risks death or serious injury.

- **The instrument may not be used in a location where fire is prohibited or there is a risk of explosion**

Failure to follow this rule risks igniting a fire due to an electrical discharge.

Before setting up the test site, connecting the equipment, or starting testing, please read the Chapter entitled "Basic Safety Precautions for the Safe Use of the Simulator" which contains additional safety advice.



## 2. APPLICATION FORM FOR INSTRUCTION MANUAL

To: Noise Laboratory Co., Ltd. via sales agent

We place an order for an instruction manual.

Model Name

Serial No.

|  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|

Applicant Address

Company Name

Department

Contact Person

Phone No.

FAX No.

Cut off this page "**PURCHASE ORDER FOR INSTRUCTION MANUAL**" from this volume and **keep it for future use with care.**

When an INSTRUCTION MANUAL is required, fill in the above Application Form and mail or fax it to your nearest sales agent of Noise Laboratory or Noise Laboratory.

Cut Line

Cut Line



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## 4. PREFACE

Thank you very much for your purchase of the discharge gun for electrostatic discharge testing "03-00108A".

This product secures the discharge gun GT-30R series used in electrostatic tests.

To ensure the safety and procedure of electrostatic tests, thoroughly read this Instruction Manual together with the instruction manual for using this product.

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- **This Instruction Manual was prepared so that any person who can observe the prescribed instruction method and operating precautions may safely handle.**
  - **To conduct an electrostatic test, a discharge gun (GT-30 R Series) (sold separately) and an electrostatic tester (sold separately) are required.**
  - **Keep this Instruction Manual by your side or other proper location so that it may be readily available when using this discharge gun.**
- 
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## 5. BASIC SAFETY PRECAUTIONS FOR THE SAFE USE OF THE SIMULATOR

- The "Basic Safety Precautions" explain rules that must be followed to prevent damage to property or injury to the user of the instrument or to other people.
- The symbols below are used to indicate the level of injury or damage that may result if the instrument is used in a way that ignores these precautions. Please take careful note of the meanings of these symbols before proceeding to read this manual.

### Meaning of Safety Symbols

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- ◆ The following symbols indicate the level of injury or damage that may result if the instrument is used incorrectly in a way that ignores the associated precautions.

#### **WARNING**

This symbol indicates that failure to comply with the associated precaution "may result in death or serious injury".

#### **CAUTION**

This symbol indicates that failure to comply with the associated precaution "may result in damage but that only physical damage is likely to occur".

- ◆ The following symbols indicate the nature of the associated precaution.

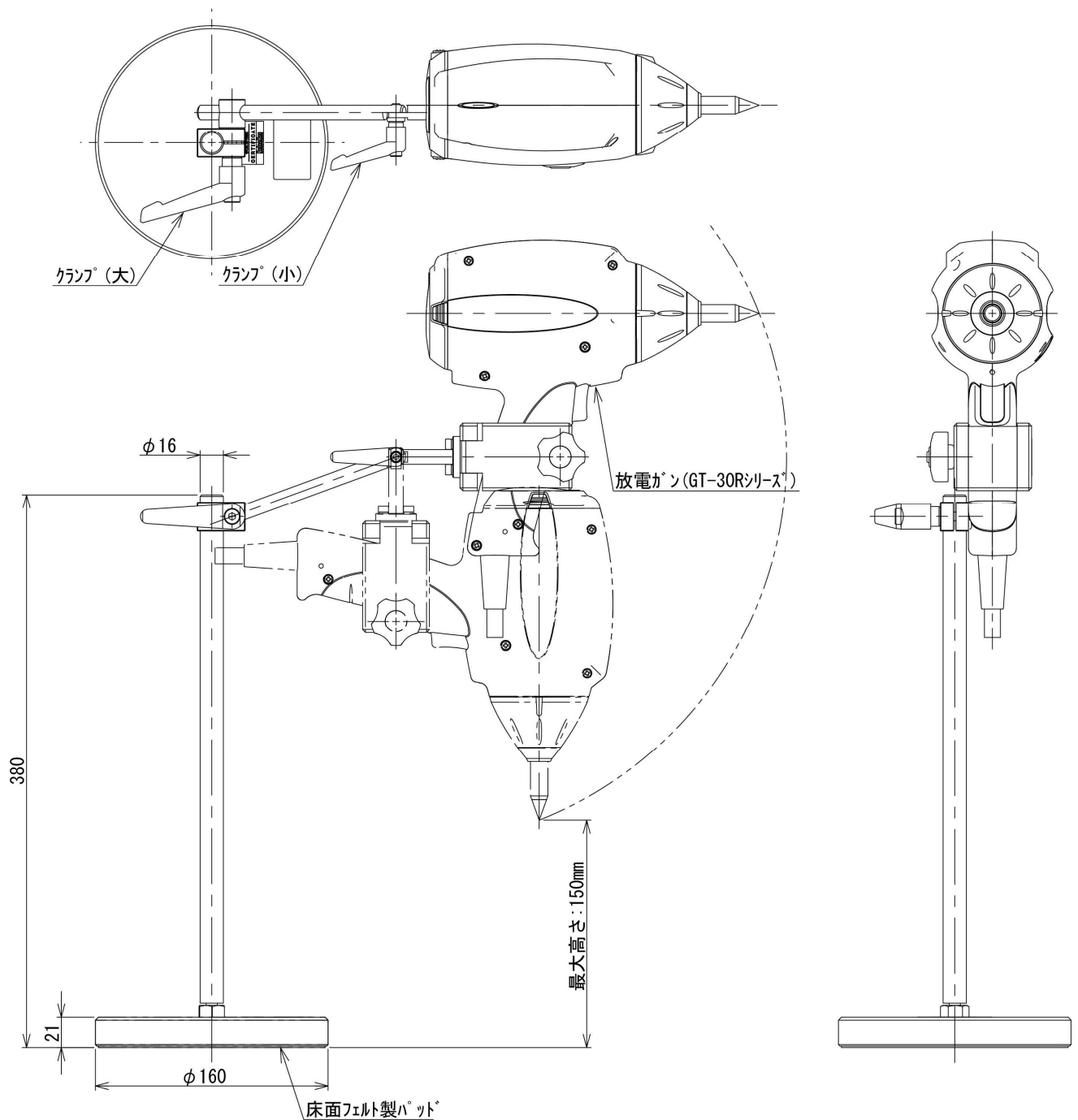


Indicates that caution is required and that you should refer to the instruction manual.

- **If the instrument becomes dirty, clean with a dry cloth**  
Never use benzene, thinner or other solvents as these may degrade the exterior surface or printed text.  
If the exterior, operation panel, or other parts of the instrument become dirty, wipe with a dry soft cloth. If the dirt is difficult to remove, moisten the cloth with water or apply a small quantity of a neutral detergent to the cloth. Wipe dry after using these to clean the instrument.

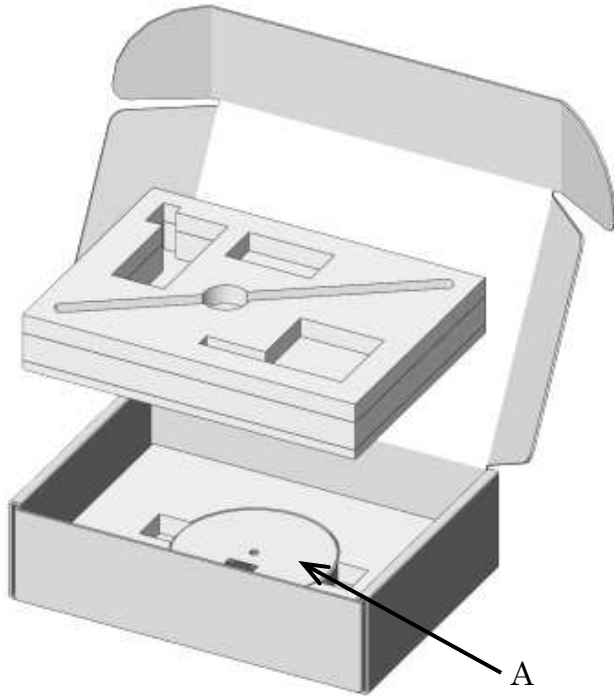
## 6. SPECIFICATIONS

|               |                                     |
|---------------|-------------------------------------|
| Product Name  | Gun stand for GT                    |
| Model         | 03-00108A                           |
| Dimensions    | See the drawings below              |
| Material      | Stainless steel and resin           |
| Weight        | 4.1 kg (excluding discharge gun)    |
| Movable range | Vertical: 150 mm, swing angle: 130° |

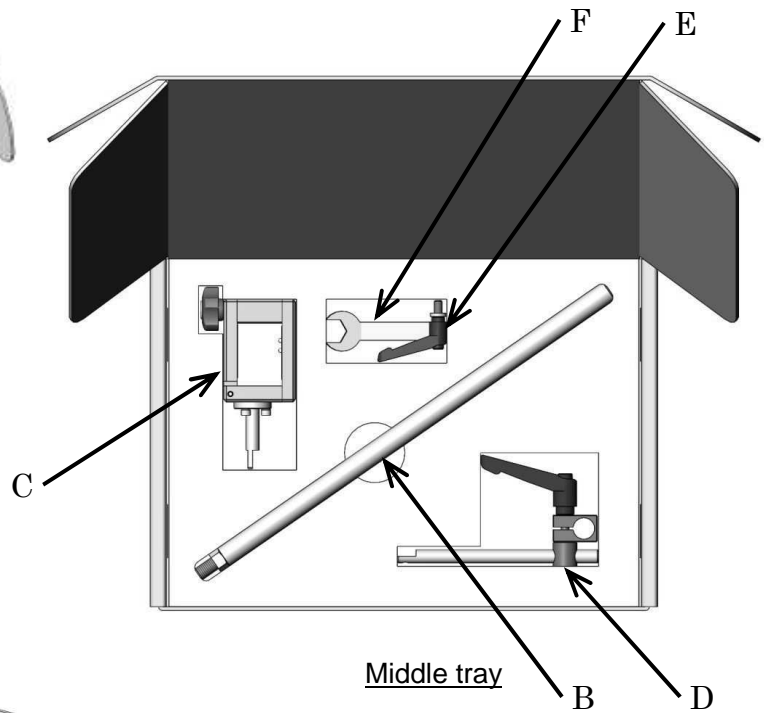


# 7. PACKAGE CONTENTS

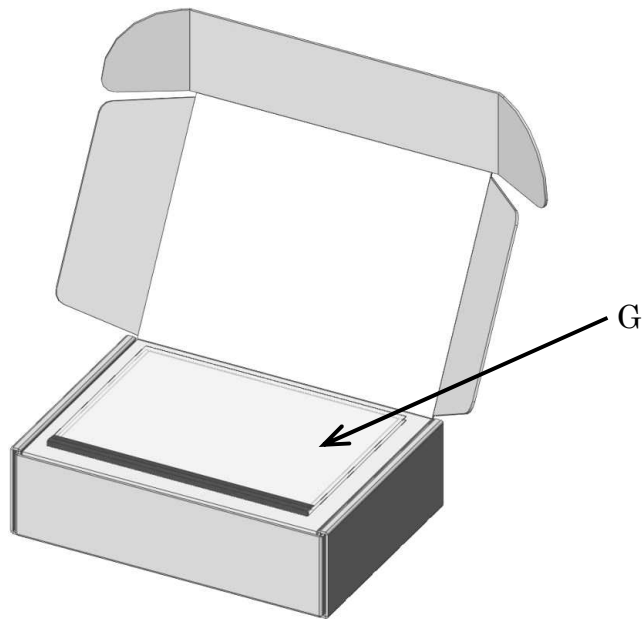
| Item   | Qty    |
|--|--------|
| A : Stand base .....                         | 1      |
| B : Stand support .....                      | 1      |
| C : Attachment.....                          | 1      |
| D : Clamp shaft .....                        | 1      |
| E : Clamp and washer.....                    | 1 each |
| F : Dedicated wrench .....                   | 1      |
| G : Instruction manual (this document) ..... | 1      |



Bottom tray



Middle tray



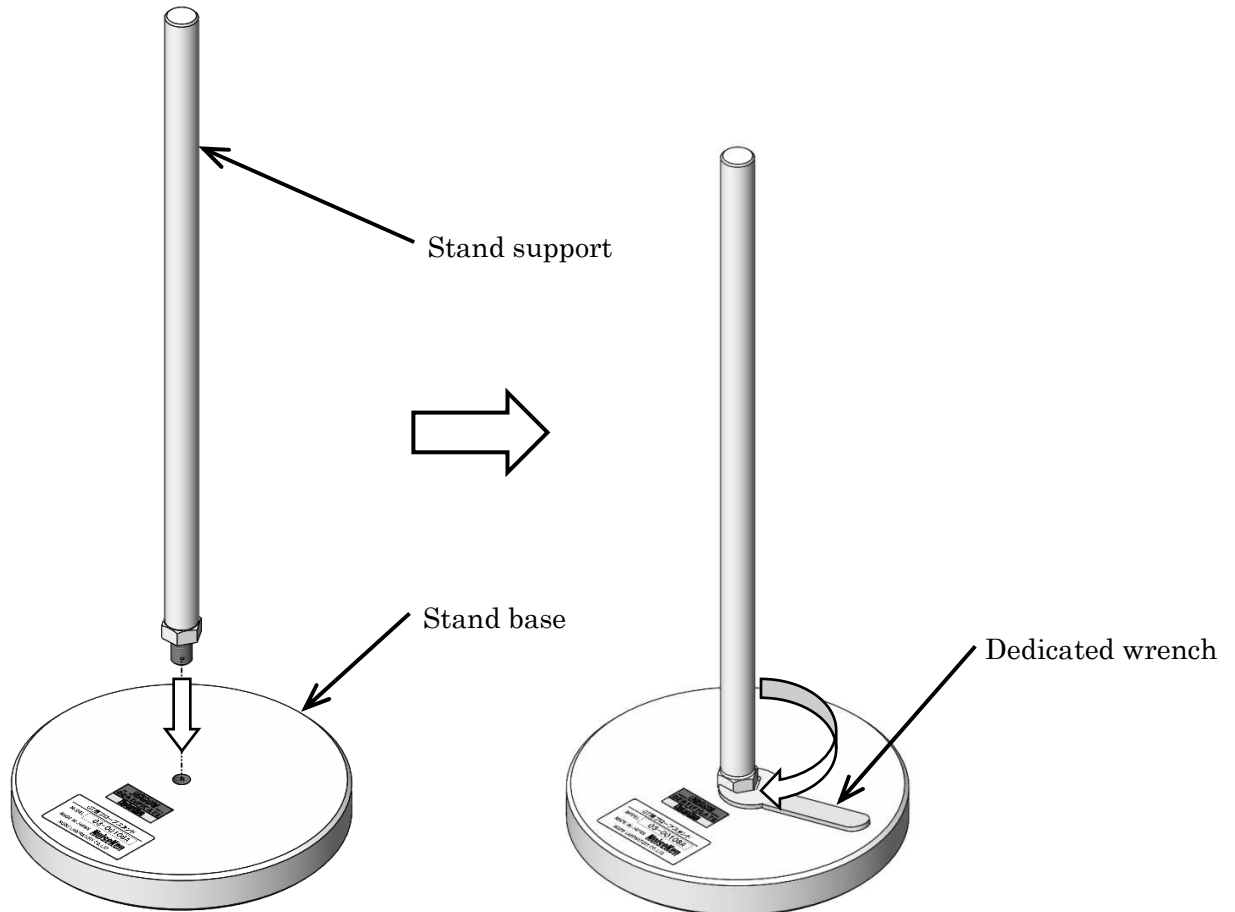
Top tray

## 8. HOW TO ASSEMBLE

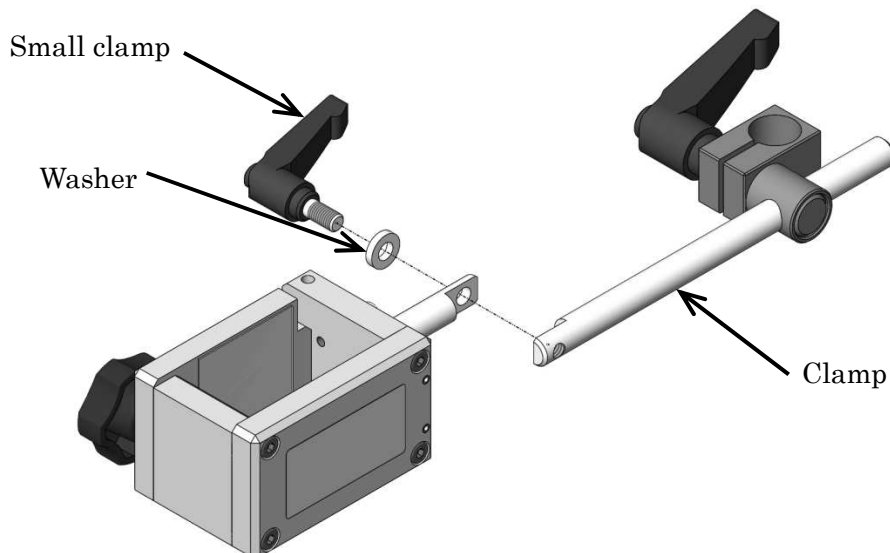
8-1 Unpack the package to take out the parts.

8-2 Screw the stand support with a nut into the stand base by hand.

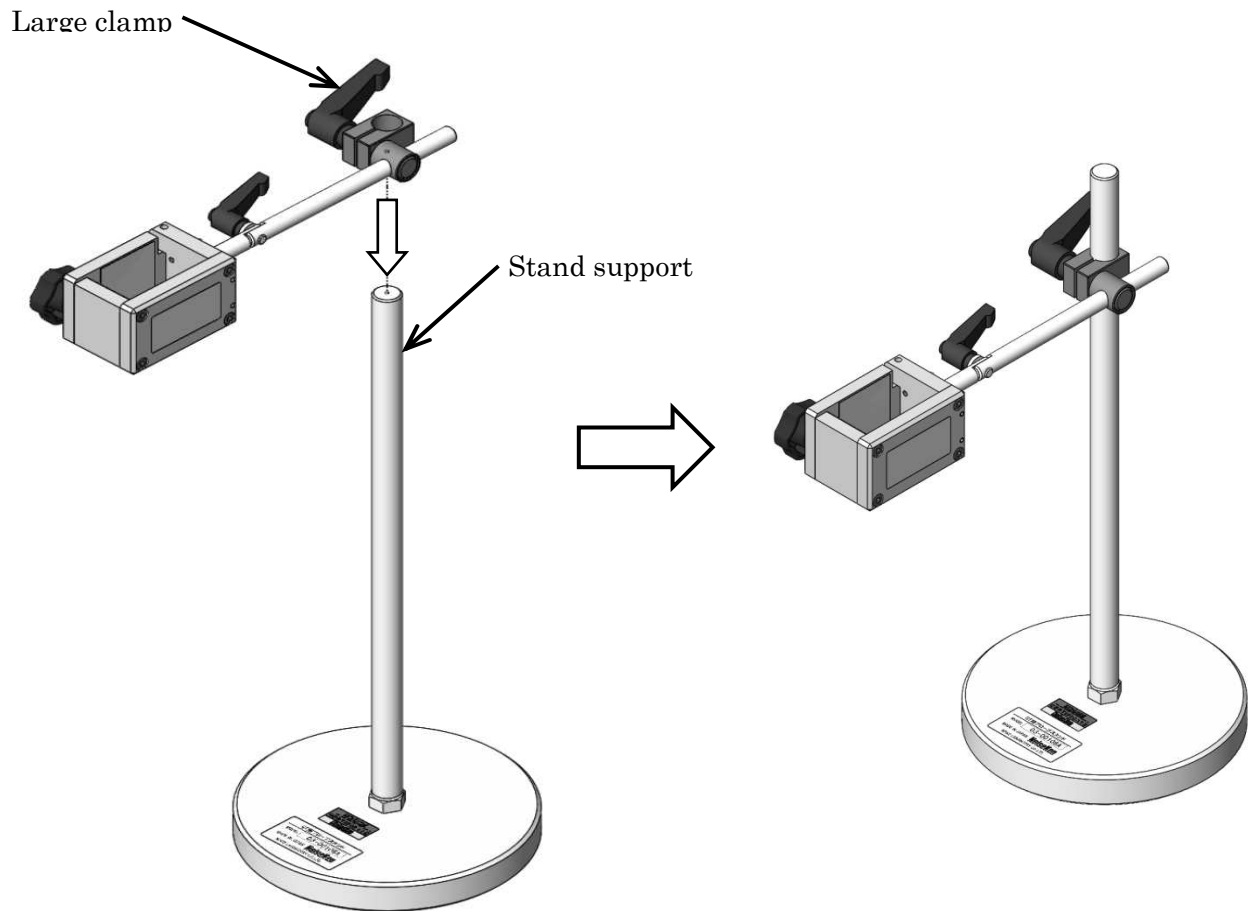
After screwing in, tighten the nut in the direction of the arrow using the dedicated wrench included.



8-3 Fit the attachment to the clamp shaft using the small clamp and washer.



8-4 Loosen the lever of the large clamp and fit it to the stand support, then tighten the lever at the desired height to secure the clamp.



## 9. HOW TO HANDLE

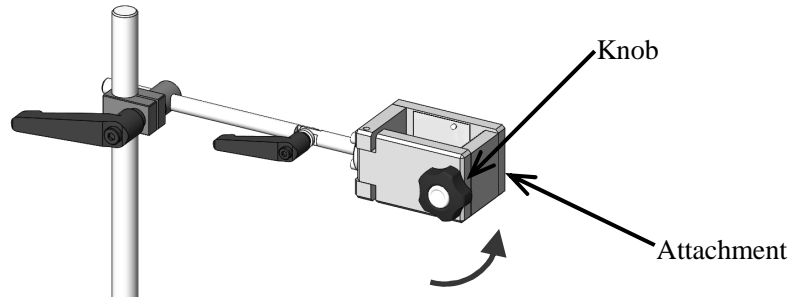
### 9-1 How to mount a discharge gun

#### **⚠ CAUTION 注意**

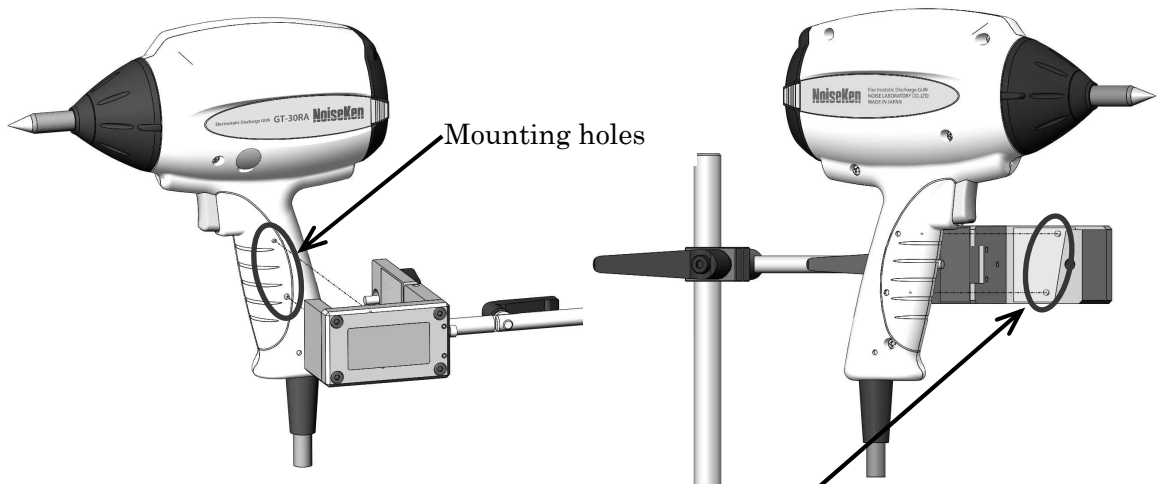
First make sure that each clamp is securely tightened.

If it is not tightened enough, the discharge gun may tilt due to its own weight.

- Turn the knob by hand in the direction of the arrow to open the attachment lid.



- Align the pins (two locations) with the mounting holes (two locations) of the discharge gun.



Align the gun mounting holes with the two pins of the attachment.

- Close the lid and tighten the knob to secure the gun.

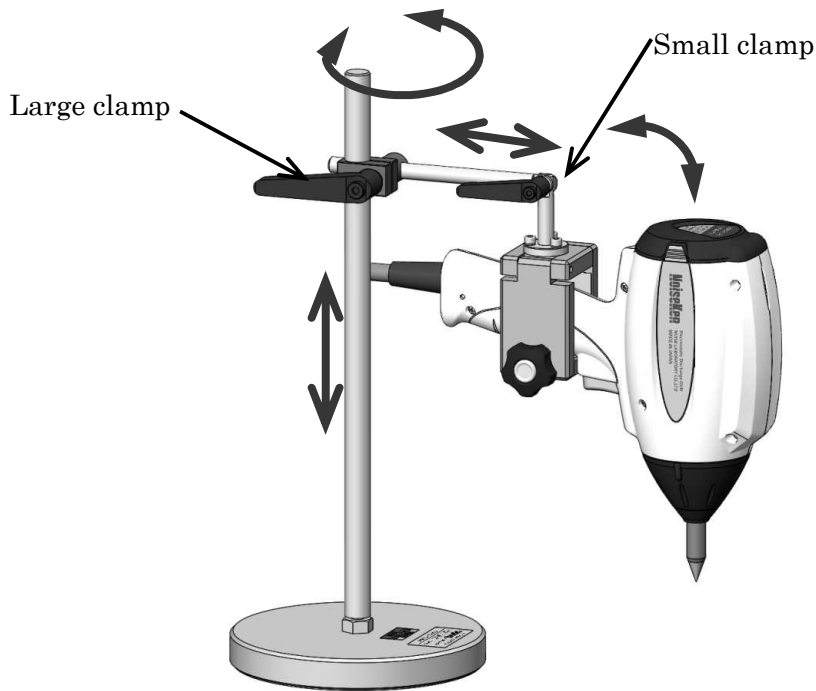


## 9-2 How to adjust the gun position

• To adjust the vertical, horizontal, and azimuthal positions of the gun, loosen the large clamp.

To adjust the orientation of the gun, loosen the small clamp.

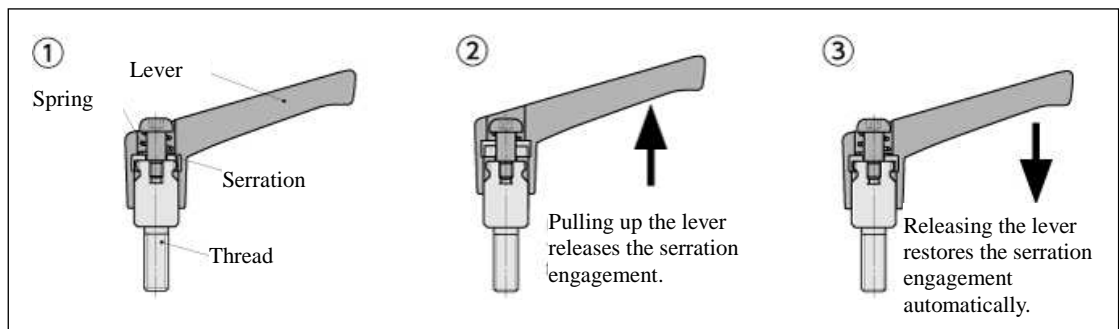
Use both clamps to adjust the position and angle to the EUT.



## [Note]

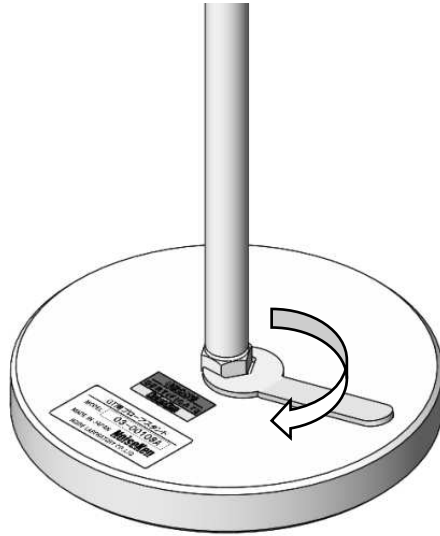
The clamp lever can be positioned at your desired angle.

To adjust the position, pull up the lever and turn the clamp to any angle. (See the diagram below.)



**⚠ CAUTION 注意**

Do not loosen the clamp more than necessary. Otherwise, it may come apart due to its displaced joint.



**⚠ CAUTION 注意**

The stand support may become loose during use. In this case, re-tighten it with the wrench included.



# 10. WARRANTY

## Servicing terms

The following terms are applicable to servicing by Noise Laboratory Co., Ltd., (hereafter referred to as the Company) provided to maintain the intended performance of its products.

1. **Scope**  
The following terms shall apply only to products made by the Company.
2. **Technical servicing fee**  
In the event of a failure of a product within the warranty period (see warranty section), the Company will repair a product without charge. After the warranty expires, repairs will be billed at a nominal cost.
3. **Ownership of replacement parts**  
Any faulty parts replaced in the course of repair services shall belong to the Company. In the case when repairs are billed to the customer, replaced faulty parts will be retained by the Company unless other arrangements are made.
4. **Limited liability**  
In the event that damages resulting from servicing by the Company are intentional or caused by negligence, the Company will pay the cost but at the purchase value of the relevant product maximum. But, notwithstanding the foregoing, the Company shall not be responsible for any incidental or consequential damages of any nature, including without limitation thereof loss of would-be profit or compensation demanded from a third party.
5. **Incorrect parts, missing parts, and damage**  
In the event that the Company's product purchased by the customer has incorrect parts, missing parts, or is damaged, such that the product is not able to be used, the Company accepts no liability for any losses incurred by the customer that relate to lost earnings, commercial losses, other secondary losses, special losses, or indirect or punitive losses. Nor is any liability accepted for any losses resulting from a responsibility of the customer to compensate any third party.
6. **Refusal to provide repair services**  
The company may not accept a repair order in the following cases:
  - More than 5 years have passed since the product discontinued
  - More than 8 years have passed after delivery
  - Required component for servicing already discontinued and no alternative is available.
  - Product changed, repaired or remodeled without obtaining a prior permission from the Company.
  - Product severely damaged to the extent it has lost its original form

## Limited Warranty

Noise Laboratory Co., Ltd. (hereafter referred to as the Company) warrants its products to be free from defects in materials and workmanship under normal use and service for a period of one year from date of delivery. In the event of failure of a product covered by this warranty, the Company will repair the product or may, at its option, replace it in lieu of repair without charge.

Notwithstanding the foregoing, the Company shall not be responsible for any incidental or consequential damages of any nature, including without limitation thereof loss of would-be profit or compensation demanded from a third party. This warranty is valid only in Japan.

1. Scope

This warranty shall only apply to products made by the Company.

2. Period

One year from date of delivery.

The warranty may be valid in 6 months after servicing if the same failure on the same component has repeated.

3. Exclusions

The followings are exclusions from this warranty:

- ◇ Consumable parts (including mercury relay, HV relay, coaxial cable, coaxial connector, automatic switch, and contactor)
- ◇ Failure caused by misuse, neglect, accident or abnormal conditions of operation
- ◇ Failure caused by remodeling on the user side without prior permission from the Company
- ◇ Failure caused by servicing by unauthorized personnel by the Company
- ◇ Failure due to fore majeure including but not limited to, acts of God, fire, war, riot, rebellion and others
- ◇ Failure due to shock or drop in or after transit
- ◇ Failure due to operation in environment being out of ambient specifications.
- ◇ A unit shipped to overseas

## 11. MAINTENANCE

1. When repair, maintenance or internal adjustment of the unit is required, a qualified service engineer takes charge of such work.
2. Maintenance on the user side is restricted to the outside cleaning and functional check of the unit.
3. When checking or replacing the fuse, turn off the switch of the unit and disconnect the plug socket beforehand.
4. When cleaning the unit, turn off the switch of this unit and the connected equipment and disconnect the plug socket beforehand.
5. To maintain the performance, carry out periodical cleaning following the procedures in Chapter 5 "Cleaning Procedures"
6. Do not open the cover of this unit.

## 12. CONTACTING TECHNICAL SUPPORT

- If you experience a malfunction, please have available both the model and serial number of your unit and contact the nearest distributor/agent or Noise Laboratory Technical Support.
- When it is necessary to send your unit back to Noise Laboratory, fill in the repair order form completely, pack the unit in the original package or equivalent one suitable for transit, and send the package.

Repair and Calibration Center

TEL +81-42-712-2051  
FAX +81-42-712-2050  
E-mail:sales@noiseken.com  
<http://www.noiseken.com>

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