

Simco-Ion Handy Digital Electrostatic Fieldmeter Model FMX-004 Analog out cable and Bracket

INSTRUCTIONS

Installation/Operation/Maintenance



CAUTION

It is important that these instructions be read and understood before attempting to install or operate the equipment. Failure to do so could result in serious personal injury and/or damage to the equipment. At the end of this manual, a written warranty is provided. This should be preserved carefully.



CAUTION

The power ON immediately after the FMX-004, analog out voltage is the output voltage of $\pm 3V$ or more. Also note voltage is has is output even if the analog output is OFF.

Section 3. Bracket

3.1 Overview

Simco-Ion Handy Digital Electrostatic Fieldmeter FMX-004 is able to fix the body by a retaining bracket. Bracket to secure the body using the part that has housed the ion balance measurement for freight. The bracket, three holes that can be used by screws M3 or M4 is open.



CAUTION

The screws are not supplied with the bracket. Please provided by the customer.

3.2 Installation of the bracket

Should be mounted in a fixed location with screws, as with reference to FIG. 4 installation of the bracket. The screw hole is $\phi 4.2mm$ and 15mm pitch.

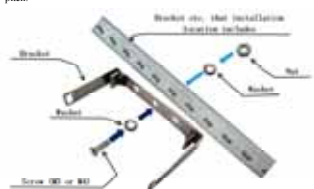


Fig.4 Installation of bracket.

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Thank you for buying Simco-Ion products. This equipment will meet your expectations and provide safe operation when it is properly installed and maintained.

Checking the contents of package

Please carefully remove the equipment from the carton and inspect. Note any damage that might have occurred during shipment. Empty the carton to ensure that small parts are not discarded.

If any damage has occurred during shipment, the local carrier should be notified at once. A report should be forwarded to SIMCO JAPAN, INC. The address and other relevant informations are written on the back cover page.

Packing contents

- (1) Grounding and Analog out cord, 1.8 m long 1 pc.
- (2) Bracket 1 pc.
- (3) Instructions Manual / Warranty 1 pc.

Please check if any part is missing or does not have satisfactory finish. Contact us or our agents immediately in the event of such occurrence.

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Section 1. General view



Fig.1 Analog out cable



Fig.2 Bracket

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Section 2. Analog out cable

2.1 Outline

In Simco-Ion Handy Digital Electrostatic Fieldmeter FMX-004, mini Jack that an analog out is possible ($\phi 3.5$ and monaural) is attached to the main body side.

The earth cable to ground the main body is usually connected with this mini Jack.

This analog out cable can take out the earth of a usual main body and the analogue signal of voltage output. Moreover, match it to the measuring instrument because the terminal for the measuring instrument connection is only a cable. Connect the plug, connector and the terminal, etc.

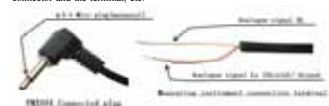


Fig.3 Cable terminal



CAUTION

Can surely ground it by me for analogue signal Lo (shield)/earth of be the analog out cable. Measurements might come off from staggering and the range of accuracy if the earth is not complete.

2.2 Setting of FMX-004

At the time of shipment, FMX-004 is based on the analog output OFF. Therefore, power supply ON is displayed to "Aon" at times and an analog out is turning off. Keep turning off the power supply once when an analog out is turned on for that, and pushing the POWER button again. One BAR graph in the upper right of the display increases at intervals of one second. When the POWER button is separated when becoming five, "Aon" is displayed in the monitor.

2.3 Setting of the instrument side

Analog output of the FMX-004 is the voltage output. Please input DC voltage to the instrument settings you are using. In addition, the range of the analog out voltage is $\pm 3V$.

SIMCO ION EQUIPMENT REPAIR WARRANTY

Simco-Ion equipment has been carefully tested and inspected at the factory and is warranted to be free from any defects in materials or workmanship.

Simco Japan, Inc. will, under this warranty, repair or replace any equipment, which proves upon *actual examination*, to have become defective within the Warranty period from the date of shipment. A one year Warranty applies to all Simco-Ion equipment. The equipment is to be returned by the purchaser to Simco Japan, Inc. or authorized agent of Simco-Ion, transportation prepaid and insured for its full purchase price.

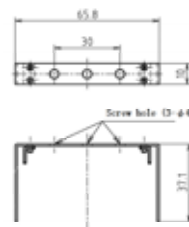
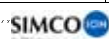
Prior to returning any goods for any reason, contact Simco Japan, Inc. or authorized agent for a Return Authorization Number. This number must accompany all returns.

The Warranty does not apply when the equipment has been tampered with, misused, improperly installed, altered, has received damage through abuse, carelessness, accident, connected to improper line voltage or has been serviced by anyone other than an authorized factory representative.

The warranty does not apply when Simco-Ion Power unit or generator, or when Simco-Ion Power unit or generator has been used to energize other than Simco-Ion parts and equipment.

Simco Japan, Inc. makes no Warranty, expressed or implied, nor accepts any obligation, liabilities or responsibility in connection with the use of this product other than the repair or replacement of parts as stated herein.

Product Name Handy Digital Electrostatic Fieldmeter FMX-004 Analog out cable / Bracket			
Delivery Date	Product's serial number contains information on the shipping date	Warranty Period	A one year Warranty



Material: SUS304, Unit: mm

Fig.7 Bracket Dimensions



SIMCO JAPAN, INC.
1-2-4, Minatojima-Nakamachi,
Chuo-ku, Kobe, 650-0046, Japan
Phone: +81-78-303-4651 Fax: +81-78-303-4655

WEB: <http://www.simcoion.jp/>
INQUIRY e-mail: info@simcoion.jp

Fig.6 Ion balance measurement