1. MOUNTING

1.1 Mounting Cautions

(1) This instrument is intended to be used under the following environmental conditions:

- Relative humidity: 5 - 90 %
- Air temperature: -10°C to +50°C
- Mounting surface: Vertical or horizontal
- Power supply: AC 100V ±10% (50Hz or 60Hz)

(2) Use this instrument in an environment where:

- Avoid vibrations or shocks
- Avoid dust, fumes, corrosive gases, oil, or water
- Avoid areas with high humidity or high temperature

1.2 Dimensions

- Dimensions of the instrument:
  - Width: 185 mm
  - Depth: 75 mm
  - Height: 225 mm

- Weight:
  - 2.5 kg

1.3 Procedures of Mounting and Removing

**Mounting procedures**

1. Prepare the panel as specified in 1.2 Dimensions.
2. Insert the connector into the panel with the orientation specified in 1.2 Dimensions.
3. Insert the mounting bracket into the mounting hole in the panel as specified in 1.2 Dimensions.
4. Push the mounting bracket forward until it is firmly secured to the panel (Fig. 1).
5. Secure the mounting bracket to the panel with the designated screws as specified in 1.2 Dimensions (Fig. 2).

**Removing procedures**

1. Disconnect the power supply from the instrument.
2. Remove the mounting bracket as specified in 1.3 Procedures of Mounting and Removing.
3. Lift the mounting bracket off the panel as specified in 1.3 Procedures of Mounting and Removing.
4. Use a screwdriver to remove the screws as specified in 1.3 Procedures of Mounting and Removing.
5. Push the mounting bracket back into the panel as specified in 1.3 Procedures of Mounting and Removing.
6. Secure the mounting bracket to the panel with the designated screws as specified in 1.3 Procedures of Mounting and Removing.

2. WIRING

**WARNING**

To prevent electric shock or instrument failure, do not turn off the power until all wiring is completed. Make sure that the wiring is correct before applying power to the instrument.

2.1 Wiring Cautions

- Use the bare conductor terminal appropriate for the size of the wire.
- Wire sizes M3 x 7 (with 5.8 - 5.9 mm² cross-sectional area)
- Applicable wire sizes: Solid wire of 0.25 to 1.5 mm²
- Applicable copper wires: Cu wires of 0.25 to 1.5 mm²
- Applicable aluminum wires: Al wires of 0.25 to 1.5 mm²

**NOTICE**

- This manual describes the basic principles of wiring. For detailed information, refer to the instruction manual for the instrument you are using.
- Do not touch the wiring terminals while the instrument is connected to the power supply.
- Do not attempt to disassemble the instrument for wiring.
- Do not use metallic screws or bolts for mounting the instrument.
- Do not use any electrical connectors or terminal blocks.

**Specifications**

- Rated input voltage: 100V ±10%
- Input current: 1A (max.)
- Input power: 100W (max.)
- Output voltage: 0 - 10 V
- Output current: 0 - 1 A
- Resolution: 10 µV / 10 µA
- Accuracy: ±0.1% full scale
- Response time: 1 s (max.)

**General specifications**

- Input resistance: 1 MΩ (max.)
- Input capacitance: 10 pF (max.)
- Input inductance: 10 nH (max.)
- Input current: 100 mA (max.)
- Input voltage: 100 V (max.)
- Input power: 100 W (max.)
- Output voltage: 0 - 10 V
- Output current: 0 - 1 A
- Resolution: 10 µV / 10 µA
- Accuracy: ±0.1% full scale
- Response time: 1 s (max.)

**Wiring**

- Use stranded wire for wiring.
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**NOTICE**

- This manual is intended for use by those who are knowledgeable in wiring and have the necessary skills.
- Do not use any electrical connectors or terminal blocks.
- Do not use metallic screws or bolts for mounting the instrument.
- Do not use any voltage or current sources other than the specified input voltages and currents.

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