

 Please be careful when handling because

Instruction Manual

WMS-MG-02

Mounting Magnet (Dedicated for WMS-PE2/LE2)

Thank you for purchasing *watanabe* product.

This instruction manual explains how to attach the magnet to the main unit, handling precautions, and how to adsorb and secure the product.

Should this product be damaged during transportation, please contact us or the dealer from whom you purchased it as soon as possible.

○Package contents:

- WMS-MG-02 Body×1
- This instruction manual×1

1. Product overview

This product is designed to be attached to the back of the WMS-PE2/LE2 thin power meter (hereinafter referred to as 'the thin power meter') and to magnetically secure it to a steel plate.

2. Specifications and features

- Adsorption force varies depending on the thickness of the steel plate and its surface coating. However, when attached to a painted surface of general switchboards and distribution boards (1.6mm thick), it achieves a vertical pull-off strength of over 50N.
- This device is not suitable for use in environments subject to significant shocks or vibrations.
- Since adsorption power varies depending on the thickness and surface coating of the steel plate, always ensure the product is securely adsorbed before use.
- RoHS compliant.

3. Caution



Warning

Do not use this device if you wear an implantable medical electronic device, such as a cardiac pacemaker.



Caution

- Keep magnets away from mobile phones, watches, magnetic cards, magnetic tape, floppy disks, train tickets, and similar items. There is a risk of data loss or damage.
- If left unattended, the magnet will strongly attract surrounding metal objects, which can be dangerous.
- Keep the magnet away from cathode ray tubes.
- Once magnets adhere to each other, they can be difficult to separate.
- If magnets are attracted to each other or other objects and subjected to a strong impact, the magnet body, its surface treatment, or plating may peel off.
- Neodymium magnets are sensitive to high temperatures. Store and use them below 80°C. If the temperature exceeds 80°C, even temporarily, the magnetic force will weaken permanently and will not return to its original strength.
- Keep magnets away from mobile phones, watches, magnetic cards, magnetic tape, floppy disks, train tickets, and similar items. There is a risk of data loss or damage.
- When detaching the magnet from a steel plate, the adsorption surface and painted surface may be scratched. Exercise particular care not to slide the magnet while it is adsorbed, as this can easily cause damage.
- Avoid installation or use in areas exposed to vibration or shock.

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4. How to install it on a thin power meter

<< How to attach >>

- (1) As shown in Figure 1, hook the unit onto the mounting groove on the back of the thin power meter.
- (2) Press the unit in the direction of the arrow in Figure 1 until it clicks into place on the thin power meter.
- (3) Verify that the unit and the thin power meter are securely fixed.

※ As shown in Figure 2, ensure the side with two neodymium magnets is facing upwards when mounting it on the thin power meter.

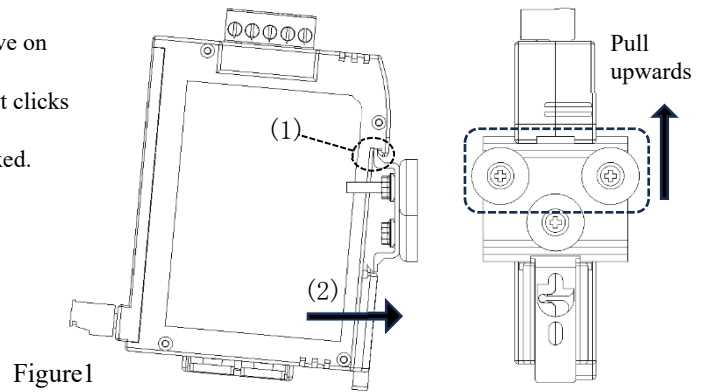


Figure1

Figure2

<< How to remove >>

- (1) As shown in Figure 3, insert a flathead screwdriver into the slider groove and pull it downward.
- (2) While holding it in that position, pull the bottom of the thin power meter toward you to remove it.

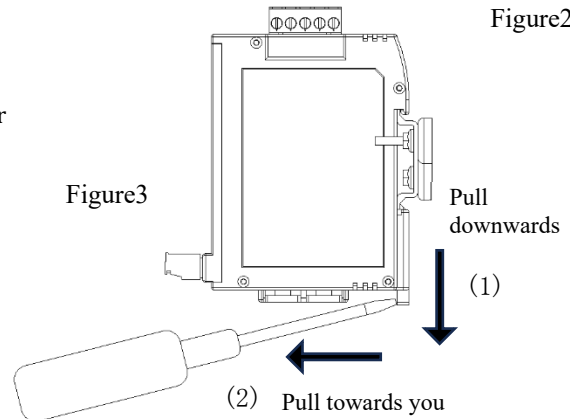


Figure3

Pull downwards
(1)

(2) Pull towards you

5. Attaching and detaching from steel plates

1) Attaching method to steel plate

Depending on the mounting surface, proper attaching may not occur. Move the unit slowly to test the attaching power.

2) Detaching

It can be removed relatively easily by holding the side of the case and pulling it diagonally upwards or downwards.

Be careful not to slide it while it is adsorbed, as this can easily damage the surface and paint of the attaching area.

3) Precautions when wiring

- If the magnet shifts during wiring, hold the case down while working.
- When attaching the case to a movable surface, such as a door, verify that the attaching power is sufficient before proceeding with wiring and installation.
- While the magnetic force is semi-permanent, if there is a decrease in attaching power, it is recommended to secure it with wire rods to prevent it from falling.

6. External dimensions (mm)

WMS-MG-02

