

I Special features I

- ① Bluetooth connection with smartphone
- ② Ball-valve to protect vacuum sensor
- ③ Replaceable oil filter
- ④ Target vacuum and alarm
- ⑤ Large bright LCD with big button
- ⑥ Unit of measure: Micron/Torr/mbar/Pa
- ⑦ T fitting for easy connection
- ⑧ Foldable hook for easy mounting
- ⑨ Back-light display
- ⑩ Power supply: AA battery x 2



I Set target vacuum I

- ① Press Target button ▶ "Target" on upper right of screen flicker
- ② Press Left/Right arrow button to select target vacuum
- ex) Torr unit: OFF ▶ 0.200 ▶ 0.300 ▶ 0.400 ▶ 0.500 ▶ 0.750 ▶ 1.000 ▶ OFF
- ③ Press Target button to confirm target vacuum

I How to Use Bluetooth I

Connection to the smartphone

This equipment can be connected to the smartphone which makes the measured value checked, saved and sent to the outside.
For this, you need to install an application (the app) on your smartphone.
(Android smartphone: Google Play Store, Apple iPhone: App Store)

Installation of smartphone application (app)

Install the **MICRODAM MDi** app on
Google Play Store of the Android phone and
App Store of Apple iPhone
(Store search term : **MICRODAM MDi**)



Connection of manifold gauge to the smartphone

Prepare for the Bluetooth connection by pressing the  button on the manifold gauge.

1. If you press the  button for about 3 seconds,
the Bluetooth mark on the top of the LCD blinks,
making the equipment ready to be connected to the smartphone.
2. When the equipment is connected to a smartphone,
the Bluetooth mark stops blinking.

I Control buttons I

 : set measuring unit  : power on/off

 : set target vacuum

 : LCD back light on/off / Bluetooth connection

 : change unit / change target vacuum

I Specification I

Item	Descriptions
Unit of measure	Micron / Torr / mbar / Pa
Sensor	• Vacuum : Vacuum sensor x 1
Measuring range	0~25 Torr
Ambient conditions	• Ambient temperature: -20~60°C • Operating temperature: -10~50°C
Power supply	• 1.5V AA batteries x 4 units • Battery life: about 100 hours (without display light)

Display	Description	Button
[Bluetooth mark] blinking	Ready for getting connected to the smartphone	[Link] button (Bluetooth function ON/OFF)
[Bluetooth mark] ON	Connected to the smartphone	
[Bluetooth mark] OFF	Connection to the smartphone ended	[Link] button (Bluetooth function ON/OFF)

Turn on the Bluetooth function of the smartphone.

Implement the **MICRODAM MDi** app on your smartphone.

Connecting the manifold gauge to the smartphone.

1. When you implement the app, the list of manifold gauges that can be connected automatically is displayed on the screen in green.

2. Touch the manifold gauge marked in green on the device list, and then the manifold gauge will be connected to the app.



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FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.