VECTOR

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MICROTEC
USA

Model: VMug Series

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VMug Series User Manual

Contents

Overview

1.1 Equipment Overview

Thank you for choosing our VMug series manual mug heat press! Please read this manual carefully before use to ensure proper operation. Keep this manual in a safe place for future reference. Note that depending on the specific configuration, some machines may not include all functions listed in this manual; please refer to your specific model's actual functions.

1.2 Safety Precautions

NOTICE

The manufacturer is not responsible for damage, injury, production loss, or other losses caused by improper operation, unauthorized modification, incorrect installation, incompatible parts, or service by unqualified personnel.

1.3 Operating Environment

- Indoor, dry, clean, and well-ventilated location
- Operating / Storage Temperature: 41°F–104°F
- Relative Humidity: 30%–90%, non-condensing
- Stable, level, heat-resistant work surface
- Keep away from water, excessive dust, corrosive gases, flammable materials, and explosive vapors

1.4 Grounding & Technical Parameters

1.4-1 Grounding Requirements:

To prevent electric shock or fire caused by leakage, overvoltage, or insulation failure, please ensure the equipment is reliably grounded.

1.4-2 Technical Parameters:

Item	Specification
Model No.	VMug
Controller	GY-06N
Amp / Voltage / Power	120V / 6.2A / 750W, 60Hz
Time Range (S)	0 ~ 999
Temperature Range (°F)	0 ~ 446

Appearance and Functions

2.1 Exterior View

(Please refer to the images in your original document for labels 1 through 9.)

Up to 8 Interchangeable Mug Heater Attachments

2.2 Component Names and Functions

1. GY-06N Temperature Controller: Controls temperature, time settings, and machine operation.

2. Mug Heater: Provides even heat distribution for mug transfer applications.

3. Power Switch: Turns the machine on and off.

4. Power Inlet: Main power connection with built-in fuse protection.

5. Pressure Adjustment Knob: Adjusts transfer pressure for different mug sizes and materials.

2.3 Operation

Operating Steps:

1. Power On

Connect the machine to a 120V AC power source and turn on the power switch【3】.

2. Prepare the Mug

Attach the transfer paper to the mug and place the mug into the heater.

3. Initial Press Cycle

When the heater reaches the set temperature for the first time, the machine will beep.

Close the heater handle to begin the prepress cycle.

- The “Prepress Time” countdown will start automatically.
- When the countdown reaches 0, the machine will beep again.
- Open the heater to complete the prepress cycle.

Note: The production counter does not increase during the prepress cycle.

4. Production Press Cycle

Insert the next mug and close the heater handle.

- The “Press Time” countdown will begin automatically.
- When the countdown reaches 0, the machine will beep.
- Open the heater to complete the pressing cycle.
- The production counter will increase automatically.

5. Dual Timer Function

The machine uses two timer stages:

- Prepress Time
- Press Time

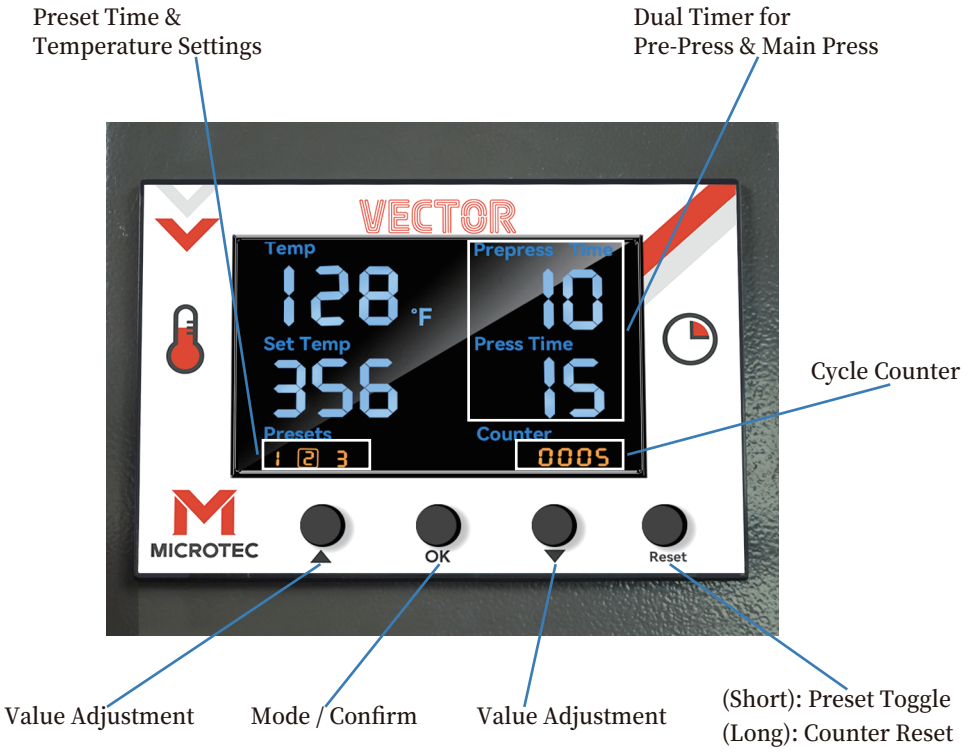
If prepress is not required, set the “Prepress Time” to 0.

6. Resetting the Counter

Press and hold the “RESET” button for 2 seconds until the counter flashes.

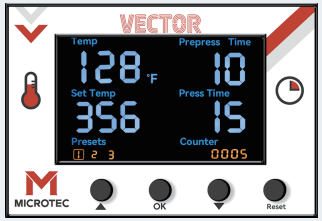
After 5 seconds, the counter will reset to 0000.

2.4 GY-06N LCD Digital Controller

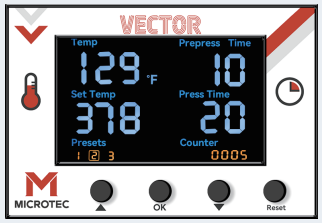


2.5 GY-06N Temperature Controller Instructions

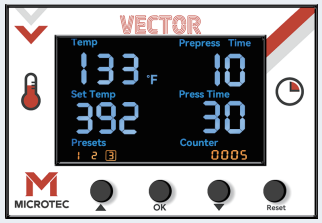
2.5.1 Selecting Presets: On the main interface, tap the **RESET** key to toggle between memory presets 【1】, 【2】, and 【3】. The selected preset will be outlined on the display. The screen will show the set temperature and time for that preset, while "Temp" shows the actual current temperature.



The image below shows that Preset【1】is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.



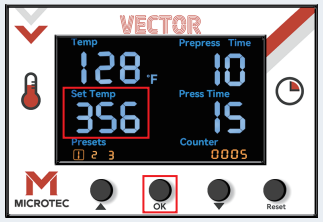
The image below shows that Preset【2】is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.



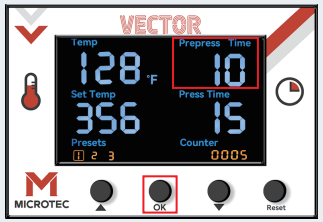
The image below shows that Preset【3】is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.

2.5.2 Adjusting Settings

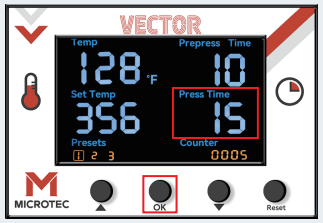
Once a preset is selected, follow these steps to customize the temperature and time:



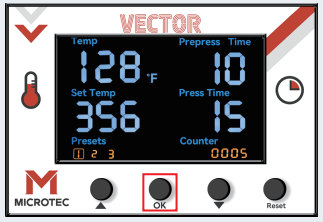
1.Adjusting Temperature: Tap **OK**; the "Set Temp" for the current preset will flash. Use the ▲ and ▼ keys to adjust the value.



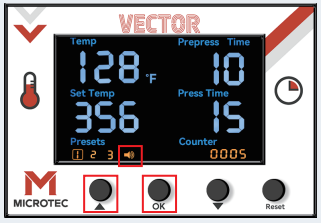
2.Adjusting Prepress Time: Tap **OK** again to select "Prepress Time". Use ▲ and ▼ to adjust.



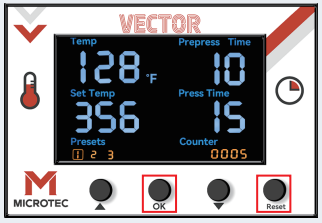
3.Adjusting Press Time: Tap **OK** a third time to select "Press Time". Use ▲ and ▼ to adjust.



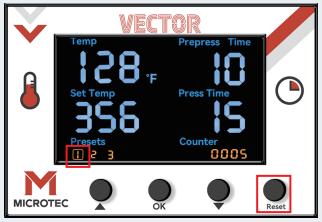
4.Saving Changes: Tap **OK** once more to save the settings for the preset and begin execution. Note: If you modify values during active operation without entering the full menu, it may not permanently overwrite the stored preset value.



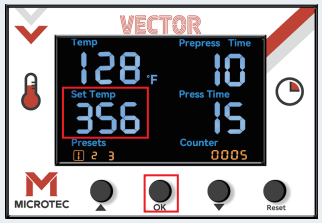
5. Speaker/Buzzer Settings: From the main interface, press and hold ▲ + **OK** simultaneously for 3 seconds to toggle the speaker icon. The default setting is OFF.
○ **Icon ON:** The buzzer sounds 3 seconds before the countdown ends and continues until the press is opened.
○ **Icon OFF:** The buzzer sounds exactly at 0



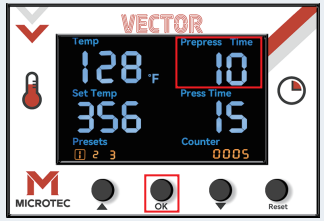
6.Preset Menu Access: Press and hold **OK** + **RESET** for 3 seconds to enter the settings menu for presets【1】, 【2】, and 【3】.



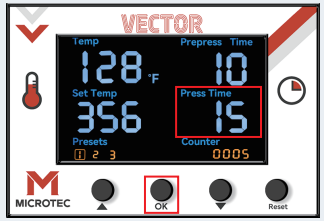
7.Switching Presets in Menu: While a preset number (e.g., 【1】) is flashing, tap **RESET** to switch between【1】, 【2】, and 【3】.



8.When the preset【1】icon is flashing : Tap the **OK** key to make the "Set Temp" value for preset [1] flash, then tap the ▲and ▼keys to adjust the value.

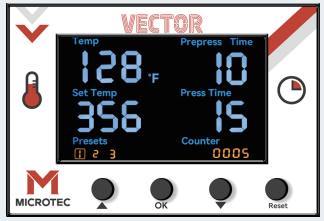


9.Tap the **OK** key again to set the "Prepress Time" for preset【1】. Tap the ▲and ▼ keys to adjust the value.



10. Tap the **OK** key again to set the "Press Time" for preset【1】. Tap the ▲ and ▼ keys to adjust the value. At this point, if you tap the **OK** key again, the changes to the values for preset【1】 will be saved and you will exit the menu.

Note: The operation methods for【1】, 【2】, and【3】are consistent with the descriptions above.

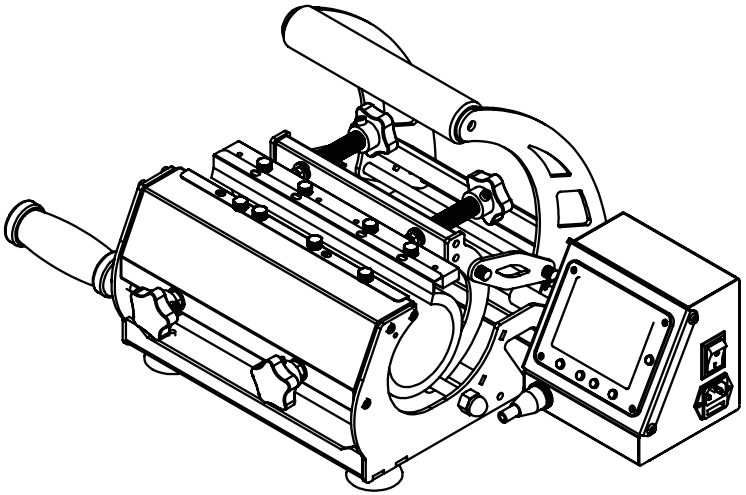


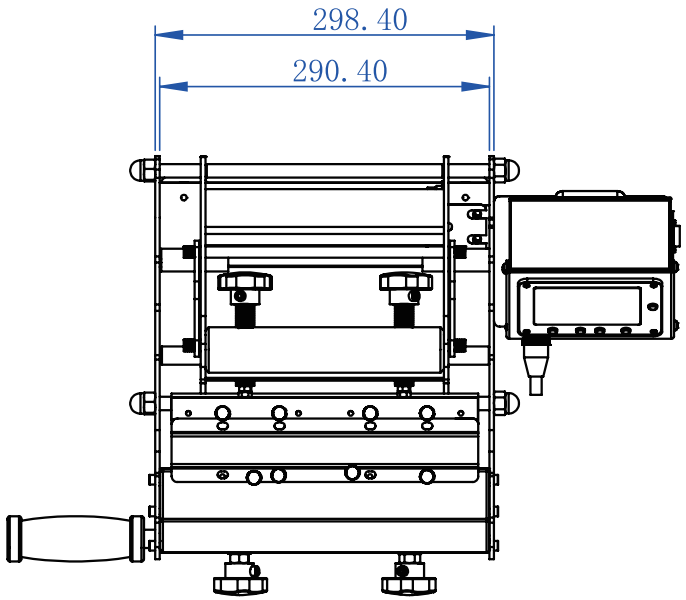
11.Adjustment Ranges:
○ **Prepress Time:** 0 ~ 999 seconds.
○ **Press Time:** 0 ~ 999 seconds.
○ **Temperature:** 0 ~ 446 °F.

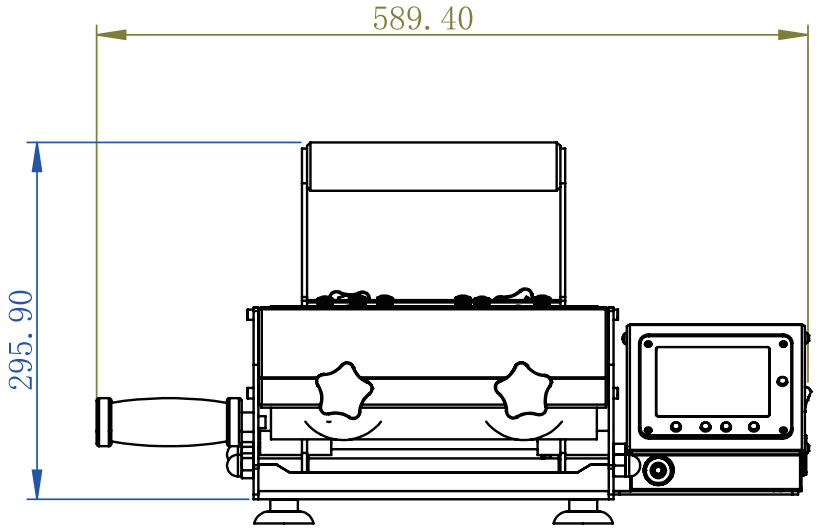
●**For further instructions, please contact your supplier.**

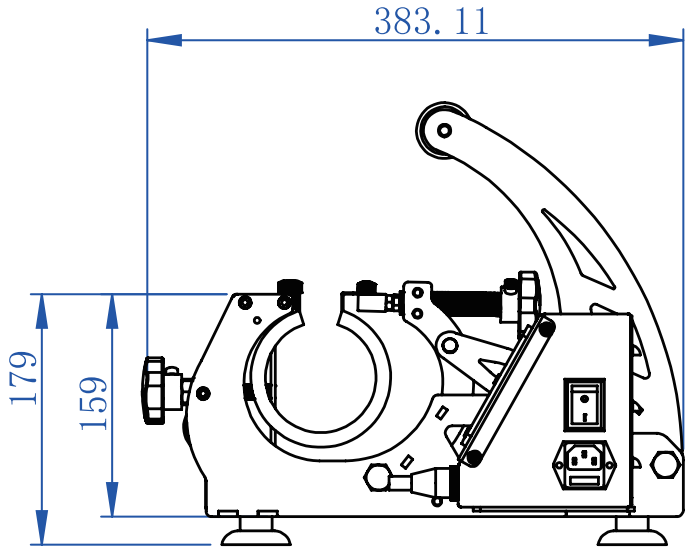
2.6 Equipment external dimensions

(Refer to the technical drawings in your original document for specific measurements.)









Circuit Diagram

(Refer to your original document for the diagram layout.)