THE-200



User manual



Contents

1	General information
1.1	General information
1.2	Warranty
1.3	Technical support
2	Features
2.1	Introduction
2.2	Specification
3	Names of each part
4	Set-up10
4 4.1	
-	Set-up1
4.1	Set-up10 Ready
4.1 4.2	Set-up

1 General information

1.1 General information

This user manual provides the user and the equipment maintenance specialist with essential information for operating the equipment. Therefore, it is strongly recommended that you should thoroughly understand this user manual.

In order to have easy access to this user manual, it must be placed where it can be easily seen, near the equipment.

1.2 Warranty

Except for a separate agreement and the following cases, the warranty period will be one year in the event of defects.

- Following -

- 1. In case you modify the equipment without permission by Taeha Corp.
- 2. If someone other than the technical support personnel of Taeha Corp. modifies the equipment or repairs the equipment without using the designated parts.
- 3. If any spare parts other than those specified by Taeha Corp. have been used for the product.
- 4. In case of intentional damage or damage due to consumer's fault
- 5. In case of natural disasters or fire.

1.3 Technical support

If necessary, Taeha Corp. will provide technical support service for the customer. Please contact us by phone or fax.

Head Office Phone : +82(0)31 552 5300 Fax : +82(0)31 552 5400

2 Features

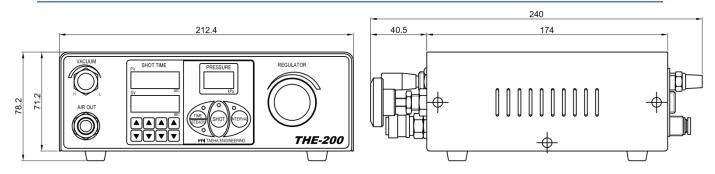
2.1 Introduction

- Faster and more stable dispensing volume by applying a precision regulator
- Precise and stable pressure setting possible by installing a pressure sensor
- Adjust the time and pressure with the digital display
- Superior reliability and durability with only a few minor failures

Please read this manual carefully and proceed with the work that you want to maximize the performance of the product.



2.2 Specification

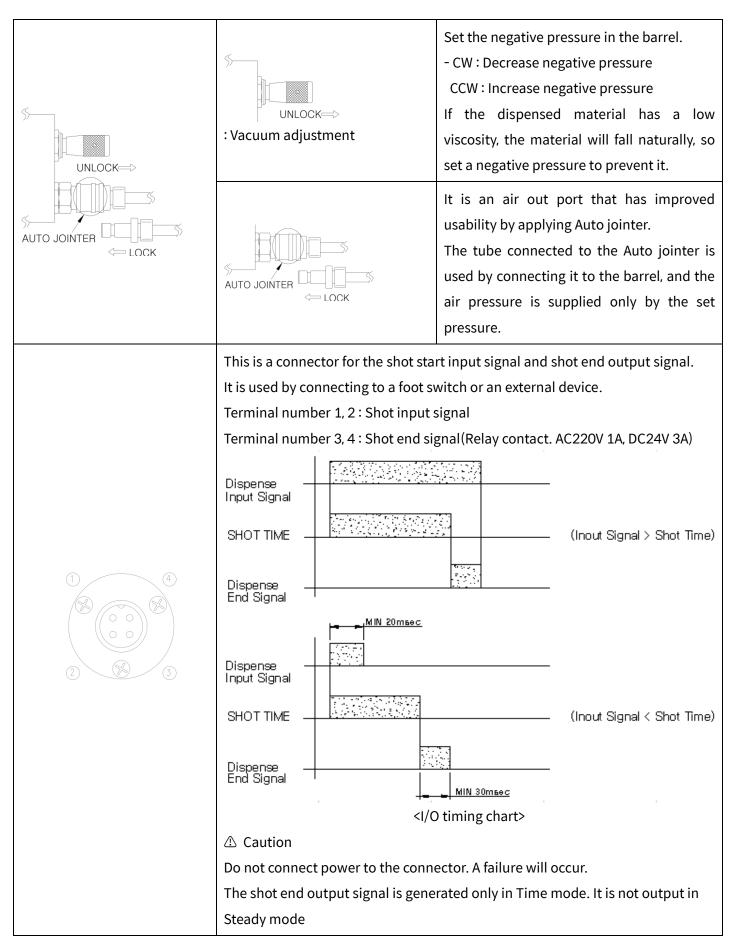


ltem	Specification
Model	THE-200
Power	AC 220V ±10%, 50/60Hz
Power consumption	10 W(Max)
Operating air	Max. 990kPa, Oil-free dry air
Air pressure range	15 ~ 700 kPa
Shot time range	0.001 ~ 9.999 sec
	Timer : fixed quantity dispensing
Operating mode	Steady : continuous dispensing
	Interval : intermittent dispensing(Interval time 0.05 ~ 9.999 sec)
	Non-voltage N.O contact(keep input signal. More than 0.005sec)
Input signal	Shot start signal
	Relay N.O (DC 24V, Max.1A)
Output signal	Shot end signal
Vacuum	0
Operating humidity	Relative humidity 25 ~ 82% RH(No condensation)
Operating temperature	5 ~ 40°C
Weight	3.6Kg
Standard component	Foot Switch(2m) / Power Cord(1m) / Barrel Stand

3 Names of each part

Image	Names and displays	Function
		I : Power on
	: ER Switch	0 : Power off
FUSE	FUSE - Holder	Small 0.5 +A Fuse(include spare 1 EA)
	: Acceptable	Power cord inlet. (Be sure to process earth)
	PRESSURE kPa : Display	The pressure can be adjusted with a precision regulator and the adjusted pressure will be displayed in the window on the display. The unit is kPa.
PRESSURE kPa KPa TIME STEADY SHOT NTERVAL	TIME STEADY C : Time/steady mode	 You can switch between time mod and steady mode by pressing the time/steady button. The led will light up so you can see the mode. The top led indicates time mode and the bottom led indicates steady mode Time mode : Dispense during the time set by the user. Steady mode : It dispenses based on the signal input from the foot switch or the host controller. The shot time is displayed in the PV window of the time display window
	SHOT : Shot button	 Press the shot button to dispense. Time mode : Press the button once to dispense during the time set by the user. Steady mode : Dispense continuously while the button is pressed.

		Select the interval mode.	
		- When you press the button, an INTL	
	INTERVAL	message will be displayed in the PV window,	
		and you can press the increase / decrease	
		button to set the off time.	
	: Interval mode	- If the time is set, the led will be lit on	
		Interval mode, and if the time is set to 0, the	
	Shot input ON signal	led will be off and the interval mode will be	
	signal	canceled.	
	Intermittent dispensing ONOFF	- Interval mode operates only in time mode,	
	<interval chart="" mode="" timing=""></interval>	and if you hold down the shot button, it will	
		repeat on / off according to the set time.	
SHOT TIME		lian low and pattless and the surface	
		lisplay and set the shot time, and the unit is sec.	
SV SEC	The PV at the top displays the short t		
SEC	The lower SV displays the shot time (green) that operates in time mode. The time displayed on the SV can be adjusted for each digit using the direction		
	button, and when pressed for 2 seconds or longer, it rises / falls rapidly.		
	A pressure regulator equipped with a precision regulator.		
	The shot pressure can be set us	ing the pressure adjustment regulator.	
	The set pressure is displayed in	the input display window.	
	Turn clockwise (CW) to increase	pressure and counterclockwise (CCW) to	
	decrease pressure.		
		Pressure release in Barrel and Vacuum	
		generator outlet. Keep it clean so that there	
	EXHAUST	are no foreign objects. After the dispensing	
EXHAUST	: Exhaust	is completed, it may cause poor	
		decompression and drop in pressure .	
		Provides air pressure to the THE-200	
AIR IN		controller. Please use dry air.	
		Supply air with a maximum of 0.9MPa to	
	: Air in port	the outer diameter Ø6tube.	



Foot Switch	Press the Foot switch to input the shot signal. Foot switch Used by connecting to the input/output connector.
Power cord	Be sure to perform grounding on the power connection line. It is used by connecting to a grounded single-phase AC 220V outlet.

4 Set-up

4.1 Ready

No.	Image	Description
1	1 COMBINATION 9 CONTROL 11 AIR IN PORT SWITCH Image: State of the state	 1-1) Supply air with a maximum of 0.9MPa to the outer diameter Ø6tube. 1-2) Insert the Power cord. 1-3) After inserting the Foot switch into the control terminal, turn the screw to firmly attach it. 1-4) Turn on the Combination switch. When turned on, the lamp lights up.
2	Jointer Jointer Adapter assembly Jointer Adapter head	Insert the joint of the adapter assembly into the Air out port on the front of the controller.
3	Needle BARREL AIR GUN	Before adding material, clean the barrel and needle with dry air to prevent foreign matter.
4	Adapter	Put the material so that it does not contain air bubbles. Fill up to 70-80% of the barrel capacity, and wipe off any liquid on the top 1-2 cm.
5	BARREL	Insert the adapter assembly head into the barrel head and rotate it 90 ° afterwards to prevent it from coming off.

4.2 Negative pressure adjustment

No.	Image	Description
1	VACUUM H L Air bubble	If the material falls naturally on the tip of the needle, we are adjusting the vacuum. Turning the handle on the front of the controller counterclockwise creates negative pressure to prevent free fall . ① Caution - If the negative pressure is too large, air bubbles will be generated inside the barrel and the material after dispensing can be inhaled, so set the negative pressure appropriately . - Please note that when negative pressure is generated, the material in the controller may be
	< X > < O > - Too strong - The material not drip natu	does sucked by tilting the barrel severely, which may

4.3 Air bubble removal

No.	Image	Description
1	Air Air bubble	 If there are air bubbles in the needle or barrel, set it to low pressure and then operate slowly in steady mode until the air comes off. Replace needle.

4.4 Shot amount adjustment

No,	Description			
1	Adjustment Needle Pressure Shot time	Decrease thickness↓ Low time↓	Increase thickness ↑ high time ↑	 Set to steady mode(continuous dispensing). Gradually increase to the desired shot amount at the appropriate(desired) flow rate. You can also adjust the dispensing pressure to set the desired flow rate and shot amount. Caution At first, adjust the shot amount to a needle of appropriate thickness by gradually boosting the pressure from low pressure. Please note that there is a risk of material scattering if the needle is thick and high pressure.
2	Factors that ca Shot time Needle change Pressure	Middle	hot amount I amount e amount e amount	 Operate in steady mode until the desired shot amount is shot s/w or foot s/w. At this time, after memorizing the number in shot time, select time mode and set the time with the up/down key. With the time mode selected, proceed with the dispensing test and check if the shot amount is the one you want.

5

Maintenance consumables

- 1) If the o-ring of the adapter assembly is solidified with solvent and damaged material, replace it with a new product.
- 2) Do not use the product if the barrel is scratched or damaged.(Barrel is disposable. Replace it after it has ben used for metered dispensing.)
- 3) Adapter assembly, barrel, needle, o-ring, etc. are consumables. Please specify the size and part number when ordering.
- 4) If any trouble occurs or repair is required, please contact us if you have any concerns.

Inspection	Cycle	What to check and what to do	Remarks
AmbientOccasionallyConfirm that it mEnvironmentOccasionallyConfirm that it m		Confirm that it meets the usage standards of the equipment.	
Power Supply Voltage	Occasionally Check if the power is AC220V and 50/60Hz.		
Appearance of Equipment	Periodically	Check if the connection parts(connector, terminal block, etc.) are loose and tightly fasten the loose parts.	
Cables	Periodically	Check if the cover is peeled or there is severe bending.	
Internal State of Equipment	Periodically	Keep it clean to prevent so that the contamination by dust or solution does not interfere with the operation of the equipment.	
Supplied Air	Occasionally	Check the piping connection, joint, or if there is no leakage so that the supplied air maintains normal pressure.	
Other Checks	Periodically	 Fastening condition of the fixed parts and joints in the equipment Joined and tightened condition of wiring Arrangement condition around the equipment. 	

! Danger

Be sure to take necessary measures such as manual mode of the equipment, emergency stop, power off, etc. before performing maintenance and inspection. If the power is not turned off, any material inside the equipment or the inspector may be detected by the sensor, which may occur movement of the equipment. It may also cause electric shock.