

CHERRY

The High-Precision Pneumatic Correction Dispenser



Contents

Let me introduce all of you to the **Cherry**
The High Precision Pneumatic Correction
Dispenser **Cherry** made by GEO Technology
with our independent technology.

1 Features

Unlike conventional dispensers,
With intuitive design and UI,
Maximize user ease of operation.

2 GEOX

Automatic Calibration mode allows
you to perform additional fine-
calibration of errors resulting from
changes in liquid residual volume.

3 Comparison

You can see the differences
from other company's dispenser.

4 Specification

You can know the product
specifications and appearance
of the Cherry and the name
of each part.

Features

**Multinational
Language Support**

**Automatic Residual
Sensing Function**



**Iconize
the operation menu**

**Calibration Function
& ONE SHOT Enable**

**Ease of Operation
by using a jog dial**

Features

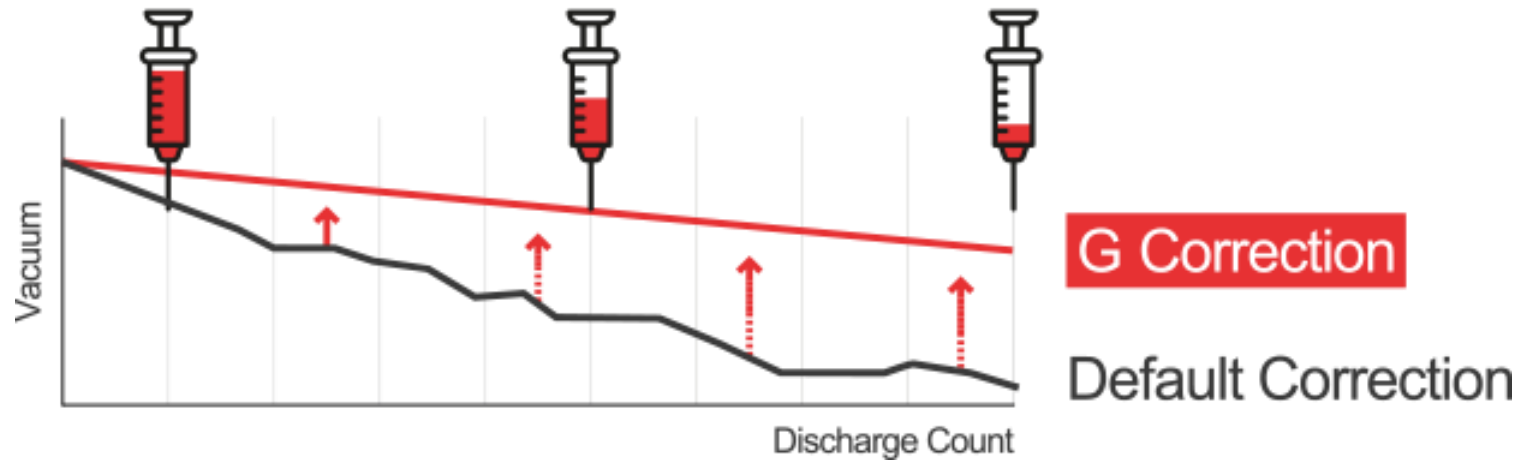
Why should You use 'Cherry' ?

1. **Improved task speed and yield** : Our automatic calibration function's core is sensing syringe level. Thanks to its performance, the proportion of defects was reduced to less than 70% compared to other company's dispensers.
2. **Ease of Operation** : Using Jog Dial & Iconizing Menu made 'Cherry' easier for anyone to operate. It also has global competitiveness by supporting multinational languages such as Korean, English, Japanese, Chinese, and Vietnamese to users.
3. **Additional Fine Calibration Function** : In addition to the existing automatic calibration, our calibration can fit the characteristics of the liquid that the user wants to use. 'Cherry' has many channels. It can save your custom setting for the liquid.
4. **Ejection Stability & Consistency** : The calibration reduced the emission deviation and increased emission stability. In addition, it is possible to discharge consistently on various liquids through vacuum ratio correction, time ratio correction, and correction in case of sudden discharge volume.
5. **Increasing Corporate Profits** : Increasing yields and reducing production personnel can maximize corporate profits, and reducing costs with lower prices and superior performance compared to other companies. Furthermore, the residual-detection feature can reduce liquid waste and running cost.
6. **Operating Smart Factory** : IoT-based cherry network configuration enables online remote control of the plant by allowing managers to access central control system anytime, anywhere.

G Correction

Vacuum Ratio Correction

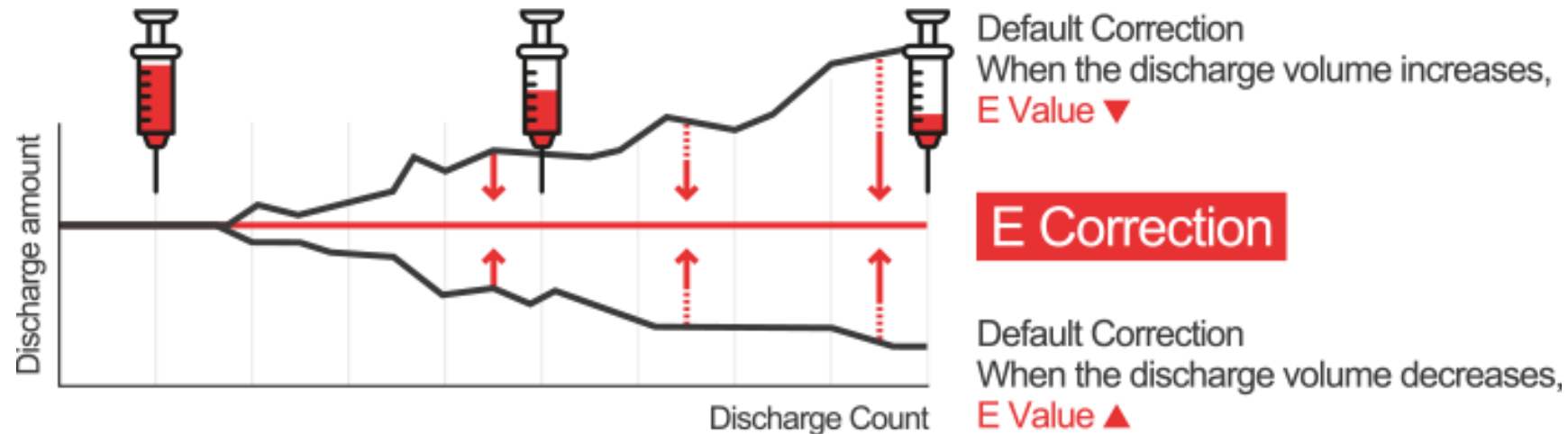
Adjusts when the vacuum is too strong or too small as the discharge proceeds.



E Correction

Time Ratio Correction

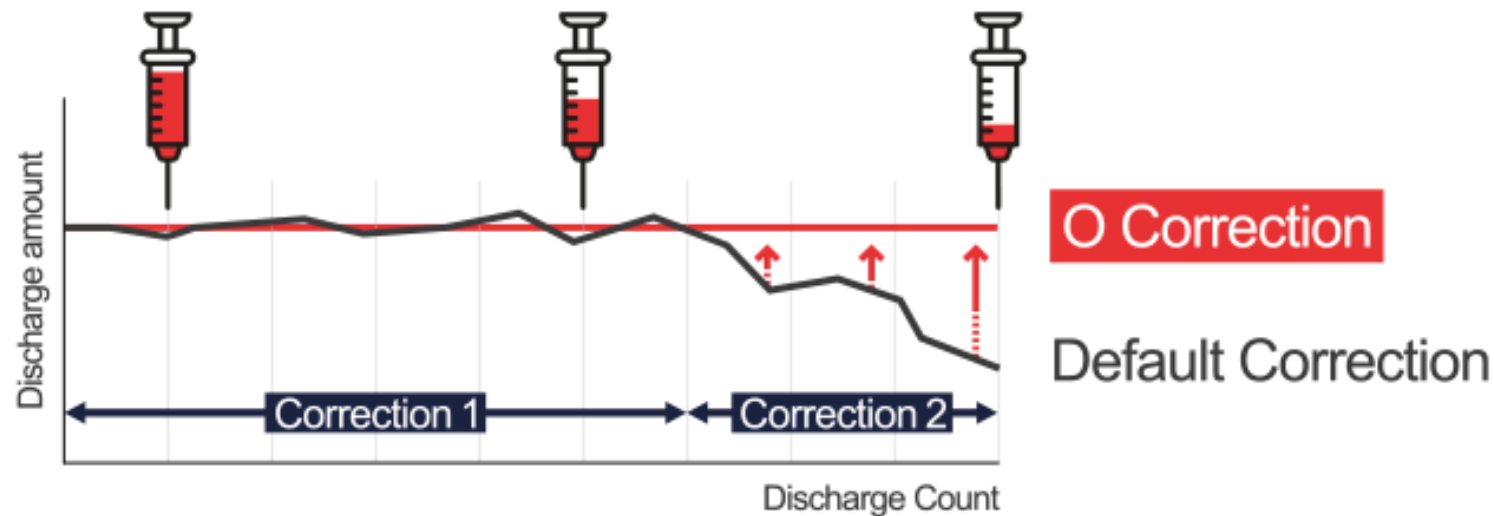
Used when the discharge volume tends to increase or decrease as the discharge proceeds.



O Correction

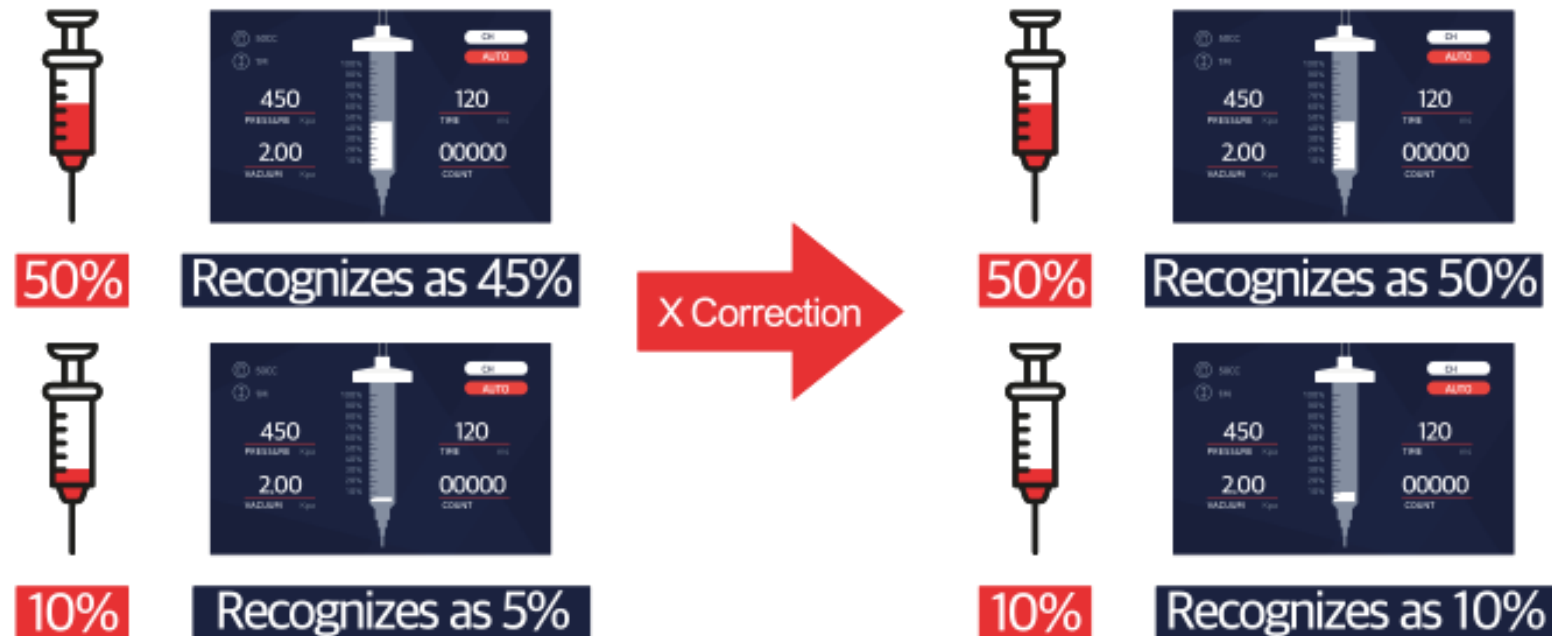
Additional Correction

In case of sudden change in discharge volume at the end section of the syringe, the correction ratio is adjusted differently.



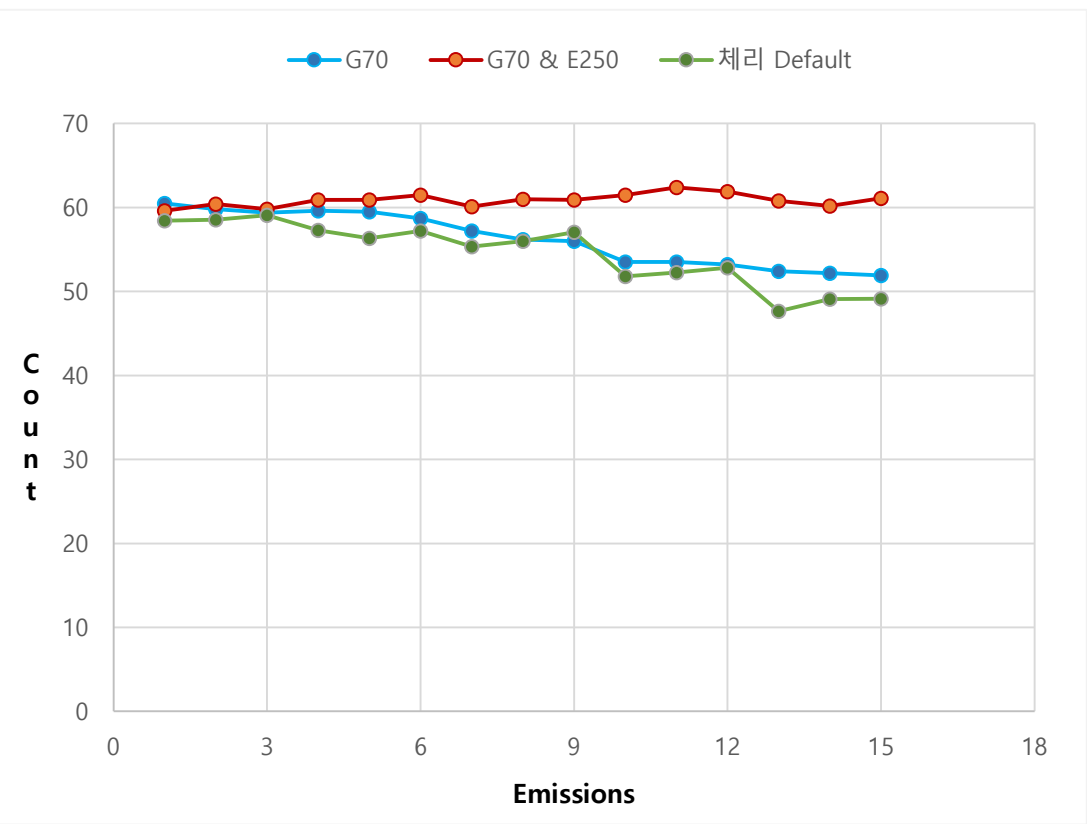
X Correction

Detects the continuous residual liquid amount for each device according to the utility supply conditions and calibrates the residual amount ratio when an error occurs.

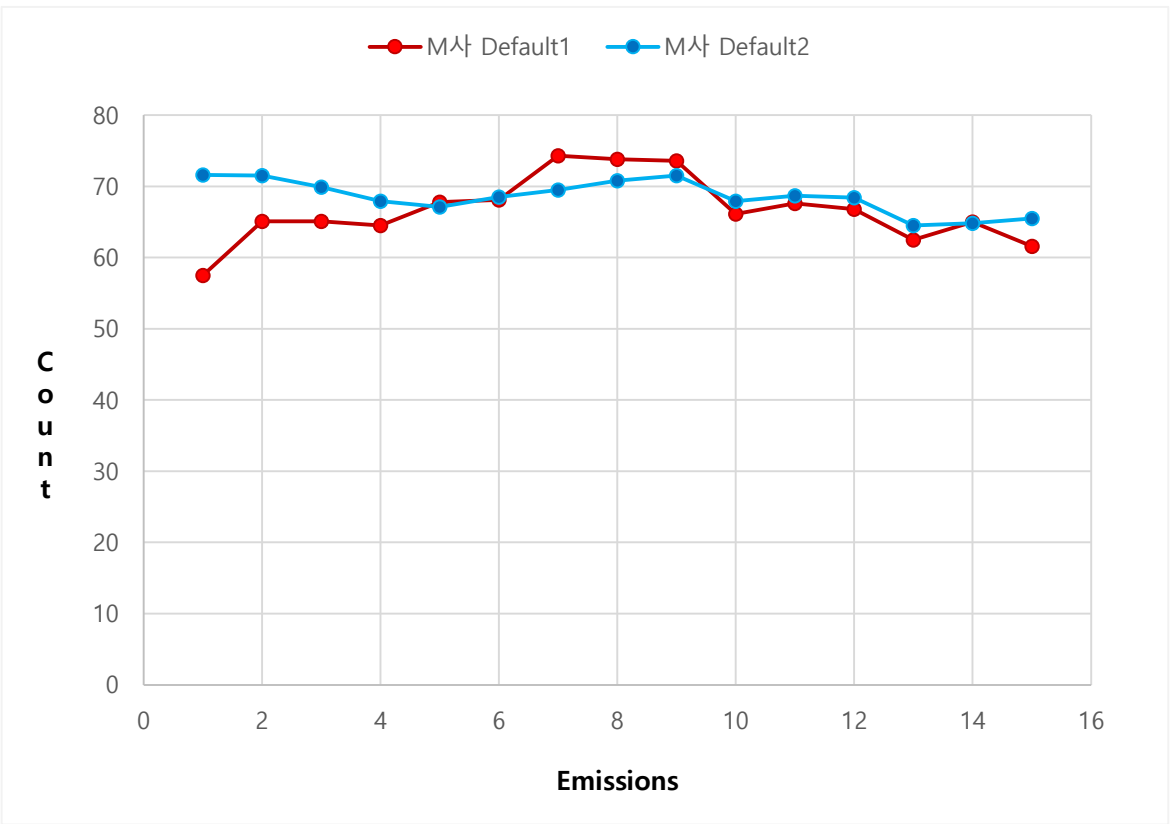


Comparison

Cherry's Correction & Fine Calibration

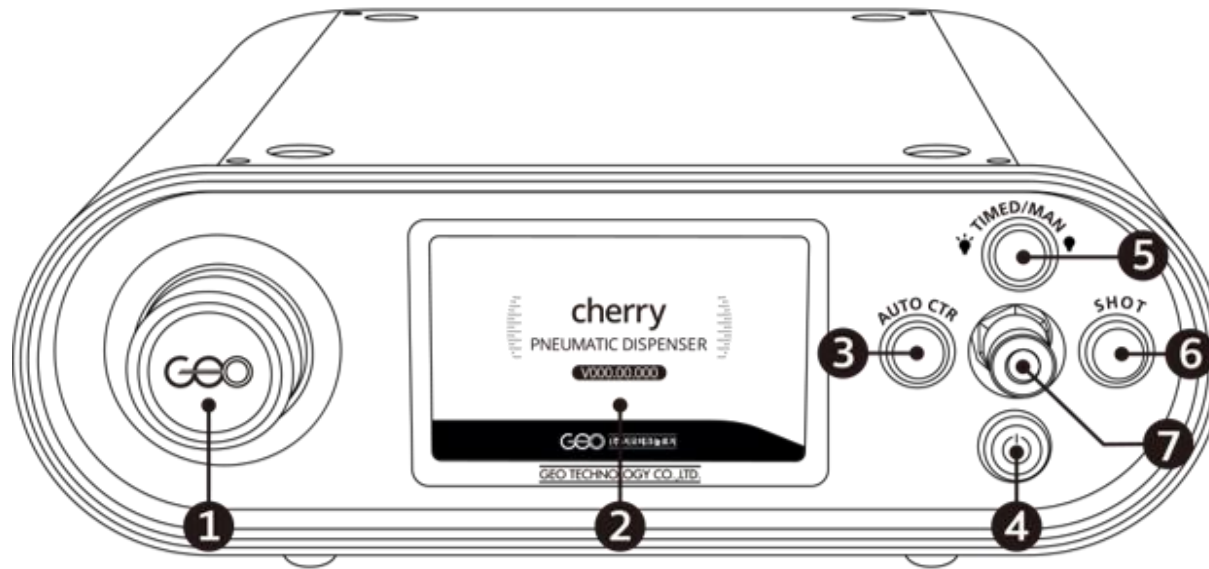


M Company's Correction Default 1,2 Comparison



Specification

Front



❶ SELECT ROTATE/PUSH Button

❷ LCD Display

❸ Auto Control Button

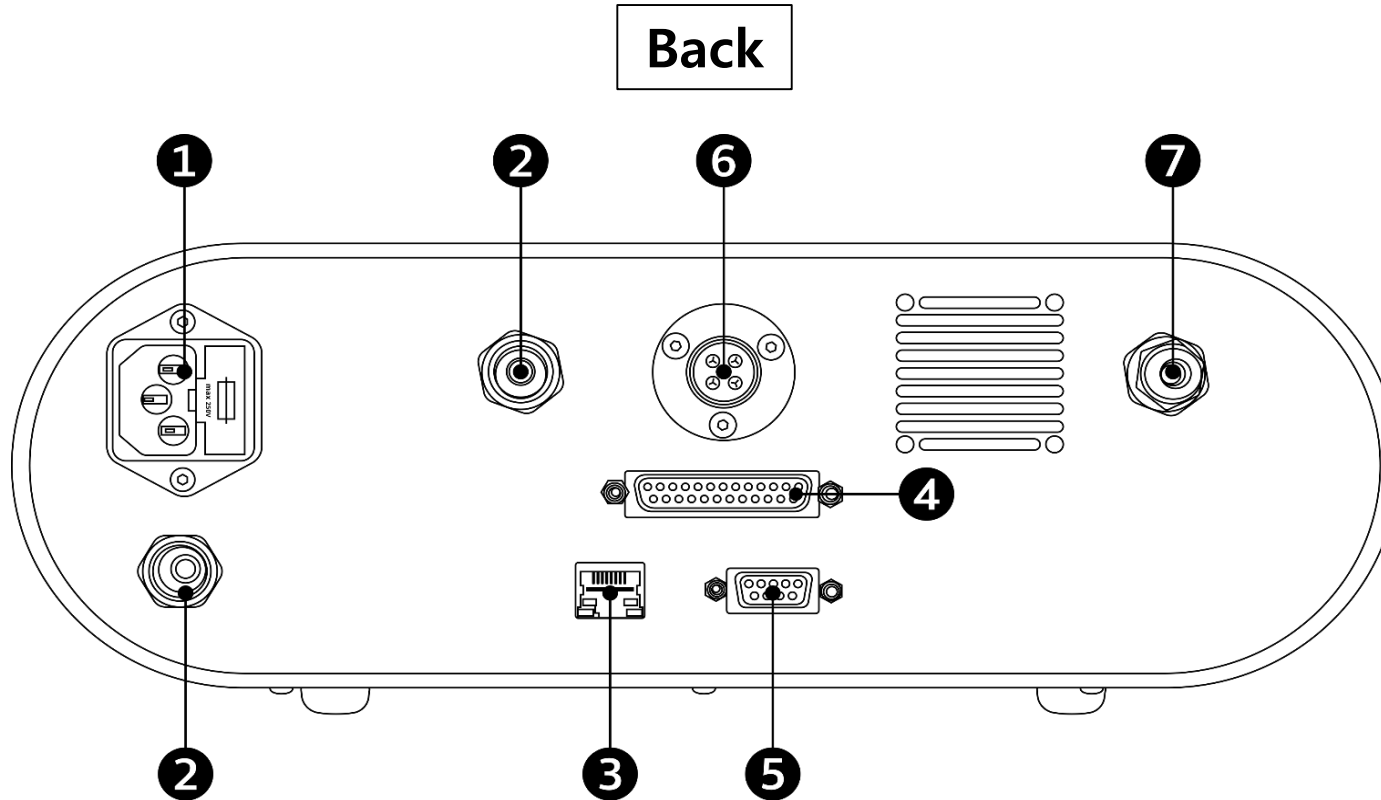
❹ ON/OFF Button

❺ Timed/Manual Button

❻ Shot Button

❼ Discharge Connector

Specification



❶ POWER(1A FUSE 2ea)

❷ EXHAUST

❸ LAN Port

❹ D-Sub 25pin Port

❺ RS-232 9pin Port


❻ 4P I/O Port

❼ Air In Port

Specification

Item	CHERRY BLUE/RED
Format	High Precision Pneumatic Dispenser
Discharge method	AIR PULSE TYPE
Control method	Differential Head Correction, Liquid Spill Prevention, Fine Correction(GEOX correction), Discharge Counter, Jog Dial Menu Selection, Residual Liquid Warning
Discharge mode	AUTO-CORRECT / TIMED / MANUAL
Discharge Pressure Adjustment Range	BLUE: 5~100kpa(10~100kpa for automatic correction mode) RED: 10~500kpa(100~500kpa for automatic correction mode)
Discharge Time Setting Range	5 ~ 99999ms (BLUE / RED: Min. 100ms for automatic correction mode)

Vacuum Pressure Setting Range	BLUE:-10.0~0.0kpa RED:-20.0~0.0kpa
Display Section	4" LCD Display(480x272 pixel, TFT Color LCD)
Data Communication	RS-232 Serial Communication
Supply Air Pressure	BLUE:Min.200~Max.300kpa RED:Min.600~Max.700kpa
Dimension	BODY: 300W x 100H x 300D TOTAL: 300W x 108H x 322D (Including Connector)
Weight	Approximately 6kg
Power/Power Consumption	AC240V/30W



GEO Technology has the best technology and years of accumulation. Based on field experience, we will do our best to satisfy our customers and partners. Based on trust, we will become a company that stands out not only in Korea but also int the world.

Contact Us

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