Generally, in order to ensure that the product performance is not affected, it is not recommended that the user change the pressure range. Please follow the operation as below carefully.

Menu 1: Set LCD display and Decimal position

In normal display, press and hold the S key to switch the display, and display DP0, DP1, DP2, DP3, indicating the number of decimal places displayed, just release the key when the required display appears; at this time, the display may jump once every 3 seconds. When there is no need for a variable, repeat the above operation once.

Menu 2: Set PV Unit

In normal display, long press the Z key, release it when the cursor moves to the rightmost position, press the S key to change the number to "00002", press the M key once, and the LCD will prompt "Pv Unit".

Each time you press the S key, switch one until the required unit appears, press the M key to save and move the cursor up, and press the M key once to enter the next menu.

Menu 3/4: Set Range

In normal display, long press the Z key, release it when the cursor moves to the rightmost position, press the S key to change the number to "00003", press the M key once, and the LCD will prompt "Range".

Press the S key once, the cursor moves to "+", press the Z key to shift, and press the S key to change the number. After displaying the number "9", press the S key again, a decimal point appears. After inputting, press the M key to save the data and move the cursor up.

(Note: If you do not need to adjust the lower limit, you can directly press M after entering the "LRV" Key to skip and go directly to "URV") Press M key once to enter the next menu. At this time, the LCD prompts "URV", repeat the above operation, and press M to save after changing the number.

Menu 5: Set Damping

In normal display, long press the Z key, release it when the cursor moves to the rightmost position, press the S key to change the number to "00005", press the M key once, and the LCD will prompt "Damping (S)".

Menu 6: Set PV Zero Trim

In normal display, long press the Z key, release it when the cursor moves to the rightmost position, press the S key to change the number to "00006", press the M key once, and the LCD will prompt "PV Zero Trim".

Press the S key to switch the display between "No" and "Yes". When "Yes" is displayed, press the M key to complete the zero adjustment, save and move the cursor up.

Shortcut key: In normal display, press the M+Z keys at the same time and hold for 5 seconds. The upper left corner of the LCD displays the number "PV Zero Trim", other operations are the same as above.

Menu 8: Output Mode

In normal display, long press the Z key, release it when the cursor moves to the rightmost position, press the S key to change the number to "00008", press the M key once, and the LCD will prompt "Output Mode".

Press the S key to switch the display between "Linear" and "Square root", and press the M key to save when the desired function appears.

Menu 9/10: Calibrate PV LRV/ URV

In normal display, long press the Z key, release it when the cursor moves to the rightmost position, press the S key to change the number to "00009", press the M key once, and the LCD will prompt "PV LRV".

Press the S key once, the cursor moves to the "+", enter the calibration, **increase the corresponding pressure**, press the Z key to shift, press the S key to change the number, after the number "9" is displayed, press the S key again, the decimal point appears. After inputting, press the M key to save the data and move the cursor up, press the M key once to enter the next menu.

At this time, the LCD prompts "upper limit calibration", **increase the corresponding pressure**, repeat the above operation, enter the pressure value and press the M key to save.

Note: This function requires that both menus 9 and 10 must be calibrated at the same time! And the upper and lower limits cannot be the same pressure!

Menu 11: Any point migration

After adjusting the "upper limit calibration", press the M key once to enter the "any point migration", refer to the menu 9/10 setting data method, set the value to be migrated to (current pressure value) on the screen, and press the M key to save the data.

Note 1: In any menu of 2-3-4-5-6-8, every time you press the M key, it will switch to the next menu, and if there are changes, it will be saved at the same time. After the menu 8 is set, return to the main interface display (there is no percentage progress bar display, the value display is correct), if there is no key operation, it will automatically exit after 10 seconds and start normal display. If there is a button operation within 10 seconds, the menu 2-3-4-5-6-8 will be recirculated.

Note 2: input 5678.0 in the damping field to restore the instrument to the factory state, provided that a backup has been made before leaving the factory.

Note 3: Menu 9-10-11 needs to be operated by professionals, so it is no longer in the above cycle and can only be accessed through "00009".

Menu 20: User Unit K

In normal display, long press the Z key, release it when the cursor moves to the 4th position, press the S key to change the number to "00020", press the M key once, and the LCD will prompt "User Unit K". The second line displays the current setting value.

Press the S key once, the cursor moves to "+", press the Z key to shift, and press the S key to change the number. After the number "9" is displayed, press the S key again, and a decimal point appears. After inputting, press the M key to save the data and move the cursor up, press the Z key to exit.

Note: This coefficient is the conversion coefficient between "User Unit K" and kPa, and the function is the same as the software "user coefficient".

Menu 21: Density (g/cm3)

In normal display, long press the Z key, release it when the cursor moves to the 4th position, press the S key to change the number to "00020", then press the Z key once, the 5th digit starts to flash, press the S key once to change the number to "00021", press the M key, the first line of the LCD prompts "Density", and the second line displays the current setting value.

Press the S key once, the cursor moves to "+", press the Z key to shift, and press the S key to change the number. After the number "9" is displayed, press the S key again, and a decimal point appears. After inputting, press M key to save the data and move the cursor up, press Z key to exit.

Note: The density unit is fixed as g/cm3. This density is only valid when the PV units are m, cm, mm, feet, and inches.

Menu 50: PV Cutoff Select

In normal display, long press the Z key, release it when the cursor moves to the 4th position, press the S key to change the number to "00050", press the M key once, and the LCD will prompt "PV Cutoff Select". The second line displays the cutoff method.

Press the S key, the second line display and switch between "OFF", "Zero", "4mA_20mA" and "Zero_4mA_20mA", press the M key saves the data and the cursor moves up.

Menu 51: PV Cutoff (%)

After adjusting "50", press M key to enter. The first line of the LCD prompts "Primary Variable Cutoff Value (%)" and the second line displays the current setting value.

Press the S key once, the cursor moves to "+", press the Z key to shift, and press the S key to change the number. After the number "9" is displayed, press the S key again, a decimal point appears. After inputting, press M key to save the data and move the cursor up, press Z key to exit.

Menu 100: Set Contrast

In normal display, long press the Z key, let go when the cursor moves to the 3rd position, press the S key to change the number to "00100", press the M key once, the first line of the LCD prompts "contrast", and the second line displays the current contrast.

Press the S key to switch the number between 1-5, switch to the appropriate number, press the M key, save the data and move the cursor up, press the Z key to exit.

Menu 509: Set Language

In normal display, long press the Z key, release it when the cursor moves to the 3rd and 4th position, press the S key to change the number to "00509", press the M key once, and the LCD will prompt "Language". Press S key to change to English, press the M key, save the data and move the cursor up, press the Z key to exit.