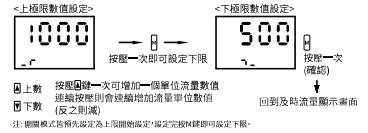


CH1開啟/關閉數值設定

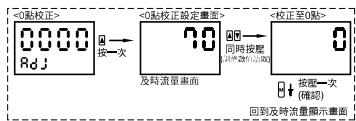


開關動作說明

名稱	LCD顯示	動作說明
窗口開關模式1	-C-O-	在指定範圍內開關輸出ON
窗口開關模式2	-L-U-	在指定範圍外開關輸出ON
應差開關模式1	-C-D-	設定一個閾值範圍，達到指定流量以上時，開關輸出OFF
應差開關模式2	-C-D-	設定一個閾值範圍，達到指定流量以上時，開關輸出ON (顯示：HHII倍速值輸出)
累計輸出切換模式1	S-r-	達到累計時間以上時，開關輸出ON
累計輸出切換模式2	S-r-	達到累計時間以上時，開關輸出OFF
累計脈衝輸出	PLS	累計每固定升數，輸出一脈衝 (約為40ms)
切換輸入開關OFF	- - -	開關動作OFF

註1：脈衝輸出率：3000L=30L/Pulse, 4000L=40L/Pulse

I 0點校正模式-頁面設定

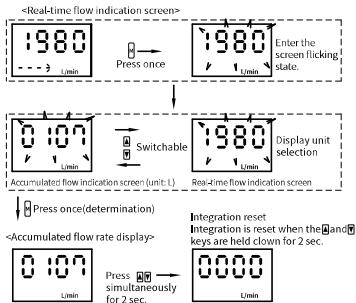


畫面顯示速度設定

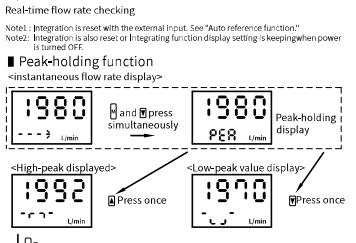


Operating mode/normal mode

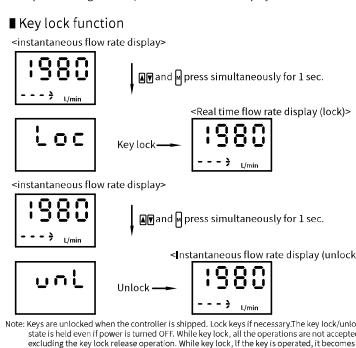
Accumulated flow indication



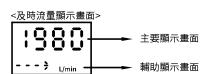
Peak-holding function



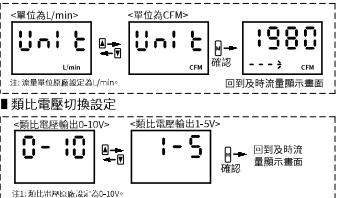
Key lock function



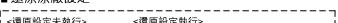
顯示顏色設定



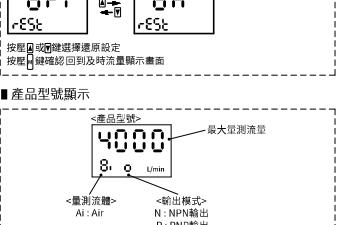
單位切換設定



類比電壓切換設定



還原原廠設定



產品型號顯示



Safety Precautions

The safety cautions are ranked as <DANGER> <WARNING> and <CAUTION> in the section.

DANGER: When a dangerous situation may occur if handling is mistaken leading to fatal or serious injuries, or where there is a high degree of emergency to a warning.

WARNING: When a dangerous situation may occur if handling is mistaken leading to fatal or serious injuries.

CAUTION: When a dangerous situation may occur if handling is mistaken leading to minor injuries or physical damage.

- Stop the control device and machine device, and turn the power off before wiring. Starting operation suddenly could result in unpredictable operation and hazards. Conduct an energized test with control devices and machine devices to ensure that the system is safe before connecting the power.
- Accomplished in personal protective gear before and during work, such as wearing a hard hat, safety glasses, and a mask.
- Do not short-circuit the load. This product could rupture or burn.
- The cable connector of this product contains a protective sleeve. If the connector of this product is not used, please protect the connector to prevent unfavorable factors such as impurities from causing problems.
- When wiring, please confirm the wiring color and terminal number. (Wrong wiring will cause damage to the switch, malfunctions and errors. Please refer to the connection diagram.)
- When using a power cord, please confirm the wiring color and terminal number in the instruction manual. Please use a DC power supply with sufficient capacity and small fluctuations.
- The product after power-on, it takes 4 seconds detections, within 4 seconds the switch is in movement while flow rate working and take it as a signal program setting.

Working fluid

DANGER

- Do not use this product with flammable fluids.

CAUTION

- Please use dry air without chlorine, sulfur, acid and other corrosive content fluid, also clean air without dust and oil mist.
- Please refer to the ambient pressure range in the operating pressure ranges specification if it will affect the life of the sensing component.
- Compressed air containing condensate water will cause defects in this product or other parts of your system. Please install the cooler machine, air dryer, condensate collector, or other components.
- Excessive torque generated by the air compressor will adhere to the inside of the product and cause malfunctions.
- Please check before purchasing, the pressure resistance of each series are different.
- Please observe the measured flow rate and operating pressure. (Using pressure above the specification will cause product damage)

WARNING

- This product cannot be used as a business meter.
- This product does not conform to measurement laws, and cannot be used for commercial purposes. Use this for factory applications.
- Do not use fluids other than the applicable fluid because accuracy cannot be guaranteed.
- Please confirm the adjustment of the pressure regulator before allowing fluid to flow.
- (Don't suppose a limit that exceeds the rated pressure and cause damage.)
- When using a value on the primary side of the product, use only one prohibited specification value. This sensor could malfunction or fail if exposed to splattering grease, oil, etc. Also, there is a risk of abrasion dust entering the sensor depending on the usage. Install a filter to prevent the dust from entering the sensor.
- Vapour or liquid gas before use. Entry of liquid/gas into this product will result in damage.
- Foreign matter may be mixed in the fluid, please install the filter at the front end. (Recommended circuit)

Installation Adjustment

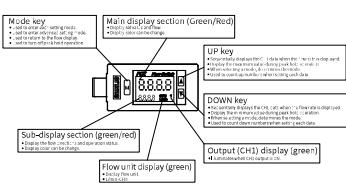
WARNING

- Note the direction of the fluid. (The flow direction should follow the direction of the arrow indicated by the body)
- Before installation, blow off the dirt remaining in the piping.
- If the output setting value is change, control system devices could operate unintentionally. Stop devices before changing settings.
- This is operating correctly.
- Do not disassemble or modify this product. Doing so could result in faults.
- This case is made of resin. Do not use solvent, alcohol or any other detergent in cleaning to remove contamination, etc.
- Do not drop or bump. If an excessive impact is applied, it may cause internal damage.
- During installation, please do not pull the power cord to avoid damage due to excessive tension.

CAUTION

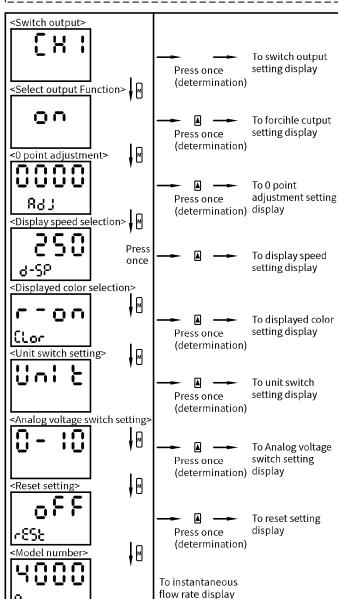
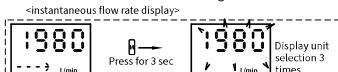
- The flow rate of the LCD display of this product may be unclear due to different angles.
- Please use proper torque to lock the flowmeter.
- When using this product, please turn on the power and then ventilate when there is no flow to ensure that the zero point calibration of the flowmeter is correct.
- When using a differential pressure flow meter, make sure to provide a stable pressure source.
- For the FPX series, the working pressure is recommended to be above 5bar. If it is lower than 5bar, the working range of the measurable flow will decrease.
- Due to the differential pressure characteristics of this product in the saturated state, the gas cannot be returned to zero instantaneously due to the pressure difference in the flow channel. It is recommended that the gas be discharged to instantly return to zero.

① Display/operating section names and functions

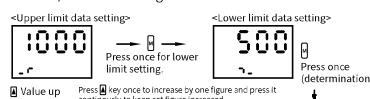


Standard setting mode

How to enter to Standard setting mode



CH1 ON/OFF data setting



Value up Press ④ key once to increase by one figure and press ⑤ key continuously to keep set figure increased

Value down Press ⑤ key once to decrease by one figure and press ④ key continuously to keep set figure decreased

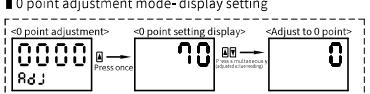
Real-time flow rate checking Note: The switch mode is preset to the upper limit to start setting, after setting, press the M key to set the lower limit.

Switch action description

Mode	LCD display	Action description
Window operation 1	-C-O-	Switch output ONwithin the specified range
Window operation 2	-L-U-	Switch output ON outside the specified range
Hysteresis operation 1	-C-D-	Set a hysteresis range, when it reaches the specified flow rate or more, the switch output is OFF.
Hysteresis operation 2	-C-D-	Set a hysteresis range, when it reaches the specified flow rate or more, the switch output is ON.
Integrated output 1	S-r-	When reaches the specified flow rate or more, the switch output is ON.
Integrated output 2	S-r-	When reaches the specified flow rate or more, the switch output is OFF.
Integrated pulse output	PLS	Set up an upper limit and trigger a pulse signal for 40ms when the count gets over it.
Switch output to OFF	- - -	Switch to OFF

※ Pulse output rate: 3000L=30L/Pulse, 4000L=40L/Pulse

I 0 point adjustment mode-data setting



Real time flow rate display

To instantaneous flow rate display