Controls and Indicators

- 101 Segment Bargraph
- SP4 Super Alarm Point
- SP3 High Alarm Point
- LED Annunciators for Setpoints 1-4
- SP2 Low Alarm Point
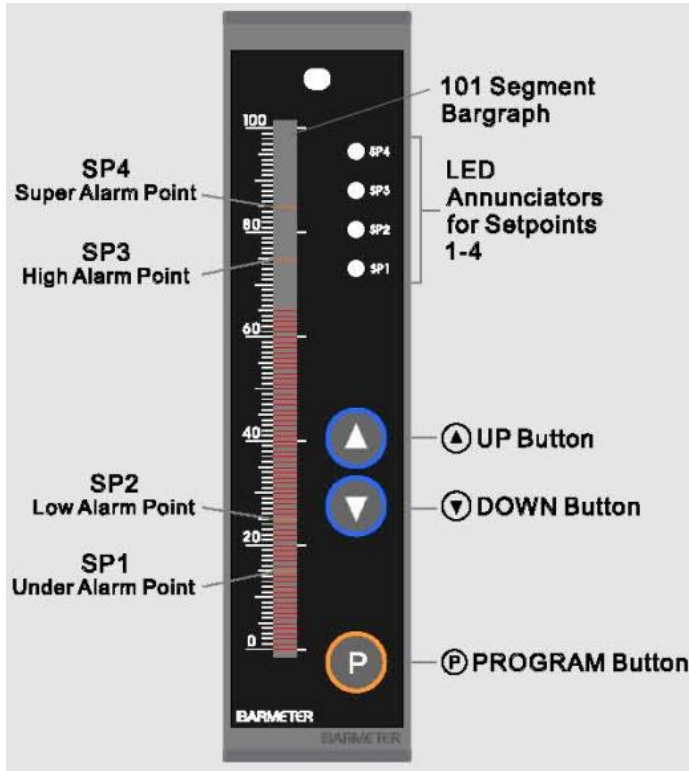- Ⓐ UP Button
- Ⓥ DOWN Button
- SP1 Under Alarm Point
- Ⓟ PROGRAM Button

Operating Instructions

1. Bar Brightness Setting

The meter will enter into the Bar Brightness Setting state when press and hold the Ⓐ and Ⓥ buttons for 3 seconds in the measurement state.
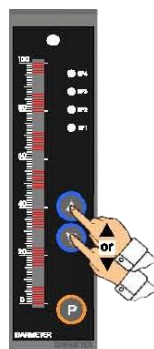
Step A

Press and hold the Ⓐ and Ⓥ buttons for 3 seconds

The bar will present zebra-stripe

Step B

Press the Ⓐ or Ⓥ button to control the bar's brightness (there are 8 grades)
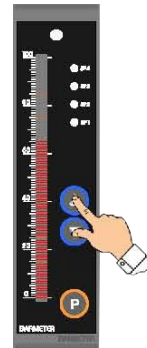

Step C

Press and hold the Ⓟ button for the 3 seconds or no operation for 10seconds to enter into the measurement state.
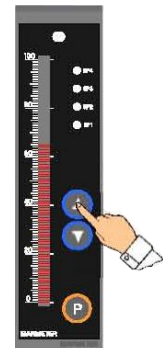

2. The Cursor and Setting

The cursors have memory function and brighter than normal segments. In the measurement state, press the Ⓐ button repeatedly, the cursor will disappear or reappear

Cursor disappear   Cursor reappear

The meter will enter into the Cursor Setting state when press and hold the Ⓟ button for 3 seconds in the measurement state.
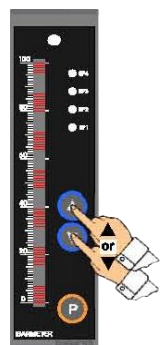
Step A

Press and hold the Ⓟ button for 3 seconds to enter into the Cursor Setting state.
Press the Ⓟ button to switch between the set points.

Step B

Press the Ⓐ or Ⓥ button to set the cursor's position.

Each cursor can be set from bottom to top. And they must meet the following conditions. SP1<SP2<SP3<SP4

Step C

Press and hold the $\textcircled{P}$ button for the 3 seconds or no operation for 10seconds to enter into the measurement state.

3. The retardation of alarm exit and setting

3.1 Retardation of alarm exit

The bar will blink and the LED annunciators will activate to alarm at the moment of the measure value out of range of the point. Recovery from the alarm status is 'alarm exit'.

The alarm exit can delay some value to operate, and that is the 'retardation of alarm exit'. Each cursor has 4 grades retardation to choose. They can be set separately according to the needs.

3.2 Retardation of alarm exit setting

The module will enter into the Retardation of Alarm Exit Setting state when press and hold the $\textcircled{P}$ and $\textcircled{\triangle}$ button for 3 seconds in the measurement state.

Step A

Press and hold the $\textcircled{P}$ and $\textcircled{\triangledown}$ buttons **at the same time** for 3 seconds.

Press at same time

Press at same time

Retardation of alarm exit of

SP4

SP3

SP2

SP1

Each set point has 4 grades retardation.

From low to high, the grade of retardation elevated

The bar will present

Step B

Press the $\textcircled{P}$ button to switch the set point which need to set. The top segment of selected part will blink.

Press the $\textcircled{\triangle}$ or $\textcircled{\triangledown}$ button to elevate or reduce grades.

or

Select set point   Select grade

Example

The retardation of SP1 and SP4 is on the 4th grade, SP2 is on the 2nd grade, SP3 is on the 3rd grade.

Step C

Press and hold $\textcircled{P}$ button 3 seconds or no operation for 10seconds to enter into the measurement state.

4. Measure and Control Output

In the measurement state, the bar goes up and down in accordance with the input analogue signal. When the measure value out of range of the set point, the meter will enter into the alarm state.

In the alarm state, the bar will blink, the relevant LED annunciators will bright on and the relevant relay will activate.
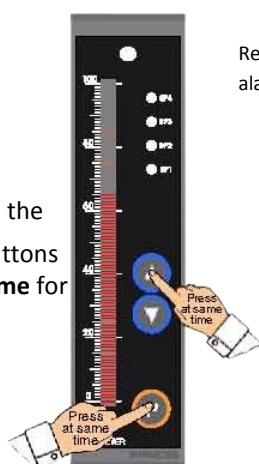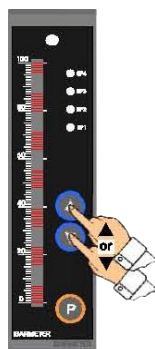
Input signal higher than SP4   Input signal lower than SP2

5. Return to the default state

Press the $\textcircled{P}$ button and turn on the power simultaneously, system will return to the default state. The default state is that the brightness of the bar is on the 4th grade, four cursors located on 15th, 25th, 75th and 85th, retardation of alarm exit are all on the 1st grade.