

### FEATURES:

- Chip LED display, wide view angle and soft tint.
- Provide optional brightness controlled function: manual and automatic. Brightness and measure range can be adjusted by a single button.
- Single module struct, easy to install.
- Shock-resistant and antimagnetic, can replace traditional mechanical meters.
- Used to measure and display DC value.

[Http://www.barmeter.com](http://www.barmeter.com)

### DESCRIPTIONS

- **Input type :** Voltage
- **Max. input over capability :** 2×input value
- **Input Impedance :** ≥100KΩ
- **Effective beam number :** F.S.±1Segment
- **Measure range and accuracy :** 51 Segments
- **Radian display range :** 300°
- **Radius:** 18.5mm
- **Zero and full adjust ratio :** ±30%
- **Power supply and range :** DC5V(4~5.5V)
- **Power consumption :** ≤ 0.3W (F.S.)
- **Environment :** 0~60°C & <85%RH

### ORDERING CODE

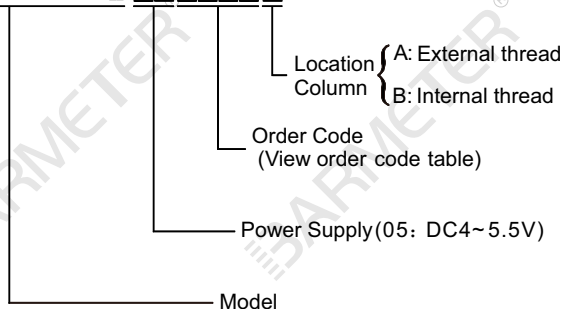
Bar color	Red	Green	Yellow	R(G)*	G(R)*
0~5V	7011	7021	7031	7041	7051
0~2V	7016	7026	7036	7046	7056

\* R(G): Contiguous 9 red segments and 1 green segment cling together

\* G(R): Contiguous 9 green segments and 1 red segment cling together

### MODEL AND ORDERING CODE

AS51P-30A18R63W II 05 7011 B



### PORT(J 3) DEFINITION AND OPTIONS

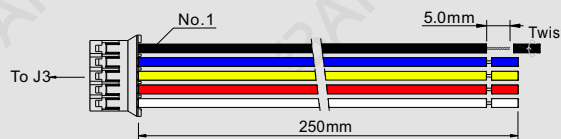
No.	Wire Color	Symbol	Definition	Note
1	Black	PS(-)	Power Supply Negative	
2	Blue	M/A	Manual/Automatic brightness control choice	☆
3	Yellow	VIN	Voltage Input	
4	Red	PS(+)	Power Supply Positive	
5	White	ZF	Measure range and brightness manual setting (AJ2 leading-out port)	Connect to power supply negative (Low level effective)

☆ M: Manual; connect to power supply negative (Low level)

A: Suspended or connected to power supply positive is effective, the 1th LED blinks slowly when the function is activated.

### CONNECTOR (Port type J3 accessory)

WPH-203L25-1



### Brightness and measure value's zero and full adjustment setting

The button AJ2 can be used for both brightness and zero, full adjustment. Proceed as follows:

#### 1. Brightness adjustment

In the manual state of brightness adjustment, each press the button quickly (less than 1s), brightness will be increased 1 grade, there is a cycle of 5 grades.

#### 2. Measure value's zero and full adjustment

##### 2.1. Zero Adjustment Setting

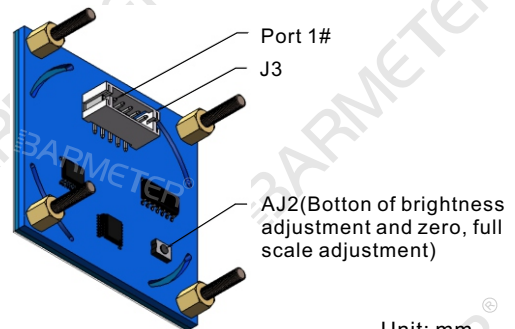
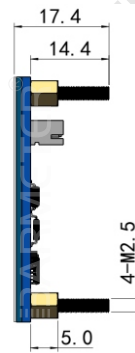
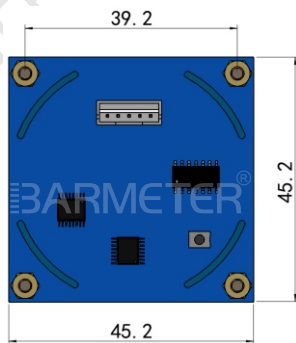
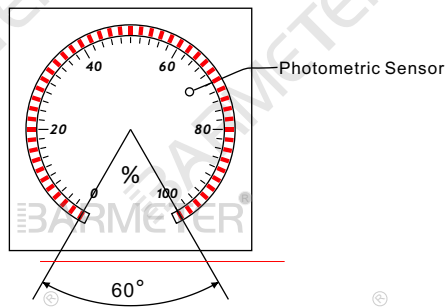
When the measured value is less than 45% display range, press the button and hold for 3s, the bargraph will convert to that the 1st LED blinks twice slowly and blinks twice quickly, which means zero adjustment is completed. After bargraph returned to normal display, zero display value has been adjusted to the required value when pressing the button.

##### 2.2. Full Adjustment Setting

When the measured value is more than 55% display range, press the button and hold for 3s, the bargraph will convert to the 51th LED blinks twice slowly and then blinks twice quickly, which means full adjustment is completed. After bargraph returned to normal display, full display value has been adjusted to the required value when pressing the button.

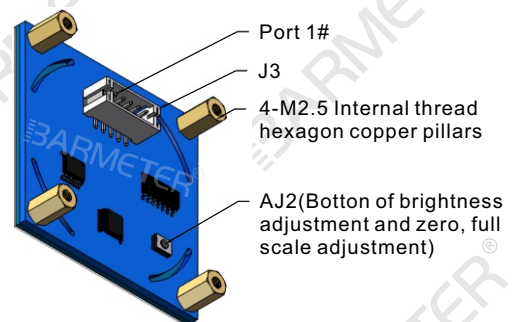
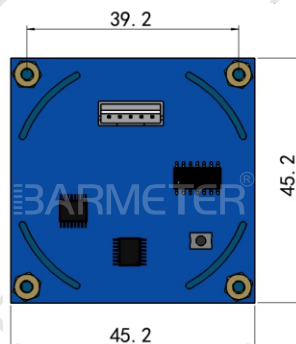
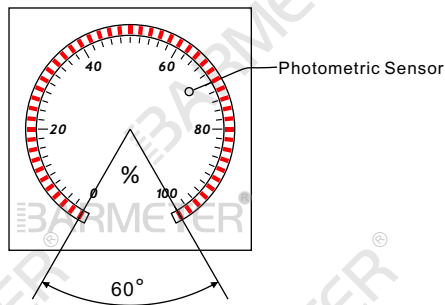
### THE DIMENSION AND FUNCTION DIAGRAM

#### AS51P-30A18R63WII 70××A



Unit: mm

#### AS51P-30A18R63WII 70××B



Unit: mm

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