

# VF Series of LEDs Bargraph Meter Modules

**vu212P-2805S**

**2×12 Segments LED Bargraph Channels vu Level Meter Module**

**VF**  
S

## SUMMARIZE

The module vu212P-2805S can accept and interpret sound frequency and online programme signal and generate audio level for display. Because of wide impedance match range, the module can be widely used in displaying the output volume level of audio system, sound console, programme signal, stereo players, audio amplifiers and karaoke equipment.

The module has low power consumption, and can provide Red, Green, Yellow etc. or more than two colors which represent increment area and make the programme visual effects abundant. product features are:

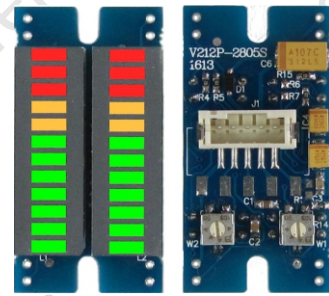
1. 12 LEDs × 2 channels display

2. Upper 5 LEDs have peak hold function which can be turned on or off by external switch.

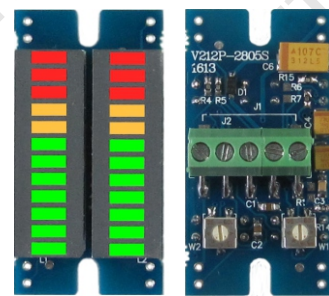
3. Two channels' sensitivity and balance can be adjusted by the potentiometers W1 and W2.

4. The output of audio device, which can be connected to the module by connection port type A or B, is displayed by bargraph after RMS detection.

5. The module has power-on mute function, can prevent erroneous lighting of the LEDs when power is supplied.



port type:A



port type:B

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

## DESCRIPTIONS

- Input Impedance: 3KΩ
- Output Level For '0' Indication: +4dBu(at default state) \*
- Input Range: -38dB~+10dB
- Amplitude-Frequency Characteristic: ±0.5vu [31.5Hz~16KHz]
- Sensitivity Adjustment Range: 3vu
- Peak Hold Time: 2 s
- Peak Return Time: 3 s
- Effective Beam Number: 2×12 segments
- Bargraph Length: 27.9 mm
- Bargraph Width: 4.7 mm
- Segment Pitch: 2.54 mm
- Power Supply and Range : DC5V±10%  
Non-isolated

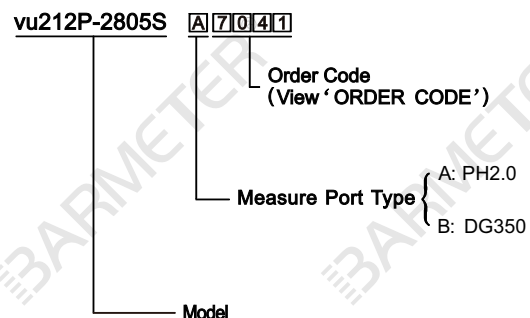
- Power Consumption: 300mW(F.S.)
- Environment: -30~60°C & <85%RH

\* default state: the 9th segment is the '0' reference indication, dBu is the decibel unit which take 0.775V as parameter value.

## ORDER CODE

Bar Color	Red	Green	Yellow	7Green+2Yellow+3Red
Order Code	7011	7021	7031	7041

## MODEL AND ORDERING CODE



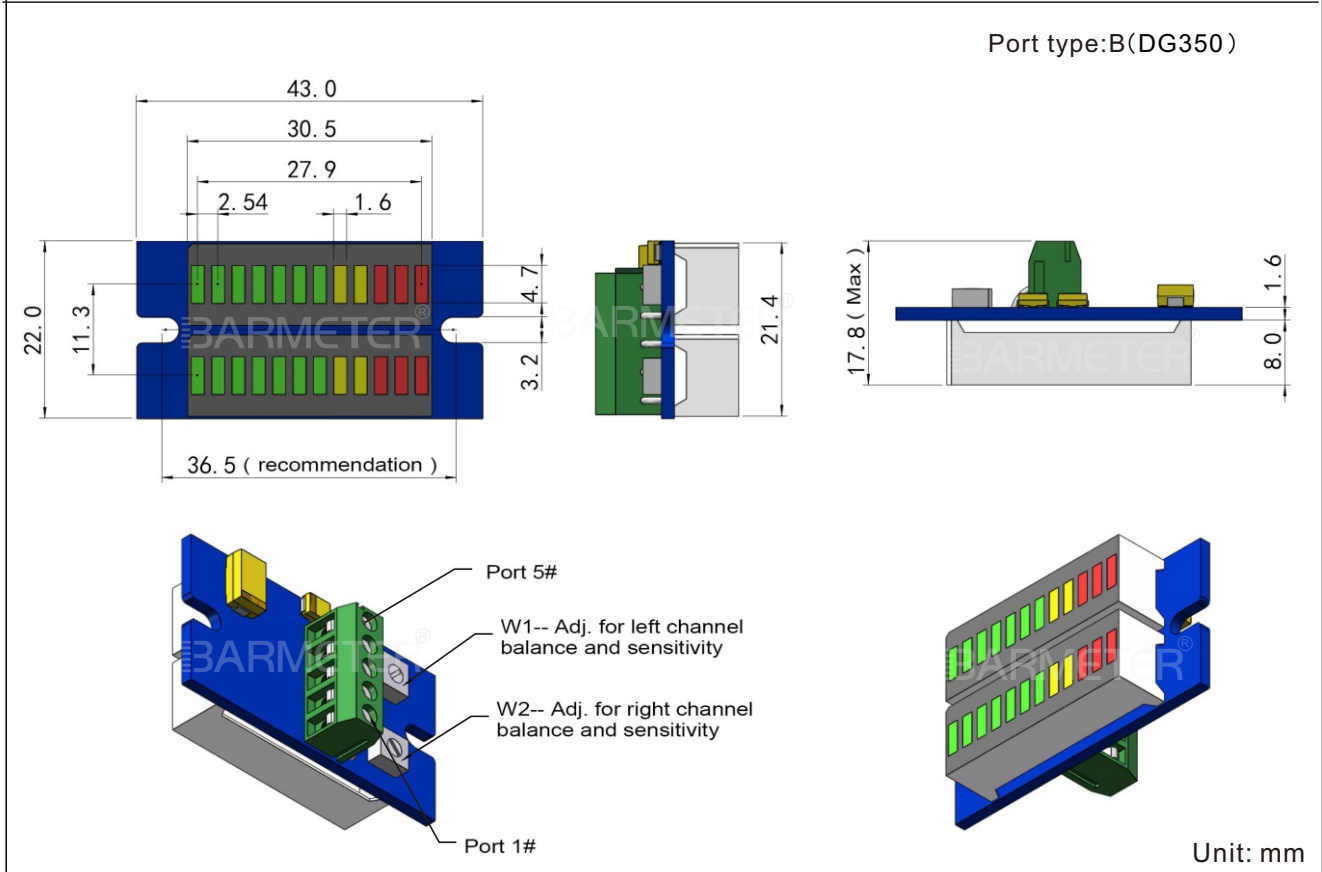
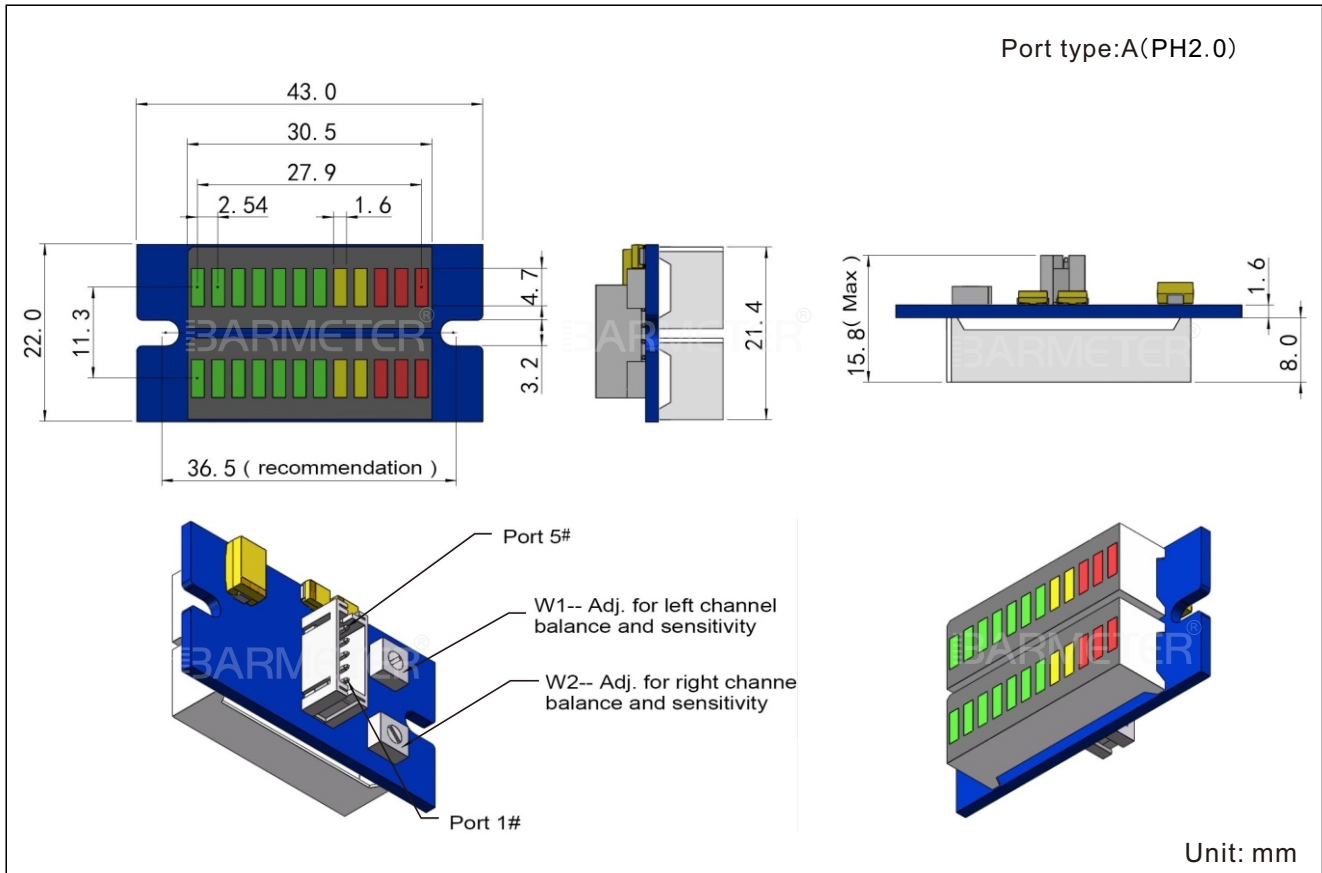
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## DIMENSION AND LOCATION OF THE PORT



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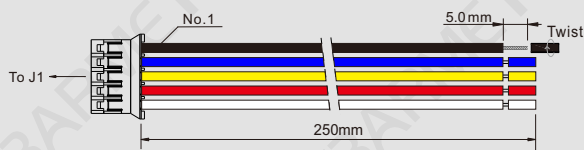
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## PORT(J1) DEFINITION AND OPTIONS

Pin No.	Wire Color	Symbol	Definition	Note
1	Black	PS(-)	Power Supply Negative	0V
2	Blue	Rin	Audio Input Right	Attach Signal Cold Port
3	Yellow	Lin	Audio Input Left	Attach Signal Hot Port
4	Red	PS(+)	Power Supply Positive	Power Supply Positive+5V
5	White	PH	Peak Hold	Attach PS(-): Peak Hold Attach PS(+): None Peak Hold

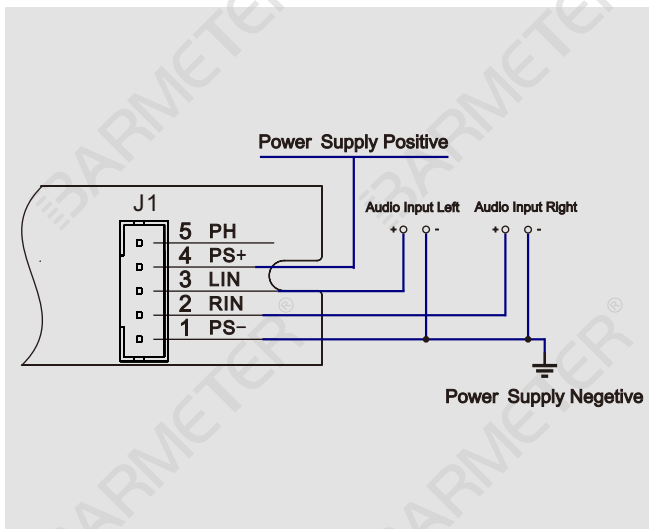
### CONNECTOR (Accessories for port type A)

WPH-205L25-1



## DIMENSION AND LOCATION OF THE PORT

### APPLICATION



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