

# VF Series of LEDs Bargraph Meter Modules

## PPM140PC-11712S 40 Segments Fixed Color Audio Level Meter Module

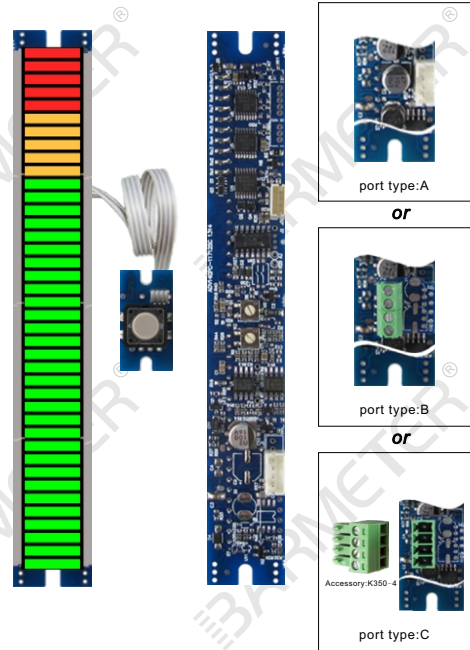
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### SUMMARIZE

VF series PPM LED bargraph meter modules can accept and interpret audio signal and programme signal which is transmitted by lines and generate audio level for display. The module can achieve PPM peak programme level meter's bar display, bar display with peak-hold, dot display and dot display with peak-hold by keyboard. Sensitivity of transmission channel can be adjusted by the parts on module, so display's dynamic range can be adjusted easily.

Audio input can connect the signal to the preamplifier (circuit) or power amplifier output port by PH port connector or other two connectors. The signal is sent to the LED bar to display after peak detection, transfer amplification and processed by software. Because of wide impedance match range, the module can be widely used in the volume display of audio system's audio output, sound console output, programme signal transmitted by lines, volume output by power amplifier and the peak programme level in the process of programme recording. It can monitor the peak level of the signal well, in case of the audio system overmodulation or overload.

The module has wide range power supply, low power consumption. The bargraph can be a single color, such as red, green, yellow etc. or can be two or more colors to display separately, which represent different function region and improve the visual effect of programme.



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

### DESCRIPTIONS

- Input Impedance:** 200kohm,balanced  
100kohm,unbalanced
- Output Level For '0' Indication:** +6dB(at default state)\*
- Input Range:** -40dB~-+3dB(at default state)
- Amplitude-Frequency Characteristic:** 1dB±1segment  
[31.5Hz~16KHz]
- Sensitivity Adjustment Range:** 3 dB
- Response Time:** 10 ms
- Return Time:** 1.5 s
- Peak Hold Time:** 2 s
- Peak Return Time:** 3 s
- Effective Beam Number:** 40 segments
- Bargraph Length:** 117 mm
- Bargraph Width:** 12 mm
- Active Area:** 12x118.8 mm
- Segment Pitch:** 3.0 mm
- Power Supply and Range:**
  - Non-isolated** Normal: DC5V±10%  
Optional: DC12V (10~15V)  
DC24V (20~28V)
  - Isolated** DC5V±5%, DC12V±5%, DC24V±5%  
Insulating Intension: DC1000V 1min
- Power Consumption:** 450mW(F.S.)
- Environment:** -30 ~ 70°C & < 85%RH

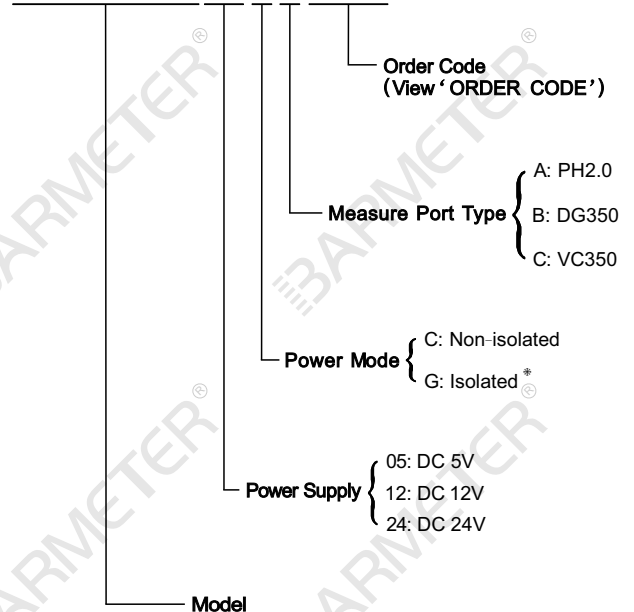
\* default state: the 35th segment is '0' reference indication, reference voltage is 1.55V(+6dB), dB is the decibel until which take 0.775V as parameter value.

### ORDER CODE

Bar Color	Red	Green	Yellow	30Green+5Yellow+5Red
Order Code	7011	7021	7031	7041

### MODEL AND ORDERING CODE

PPM140PC-11712S 05 C A 7041



\* When choose isolated power mode, signal's unbalanced input cannot be used.

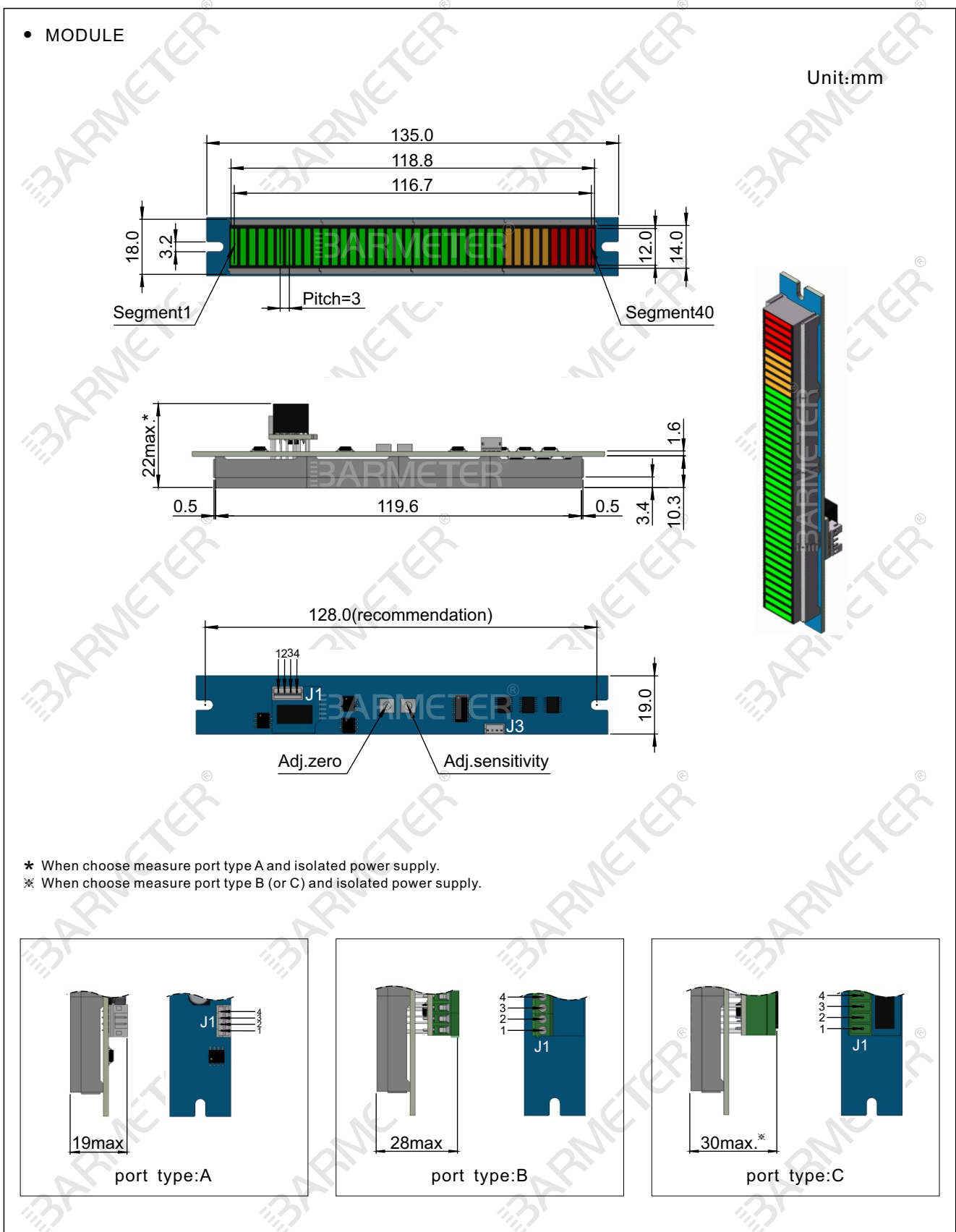
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## DIMENSION AND LOCATION OF THE PORT

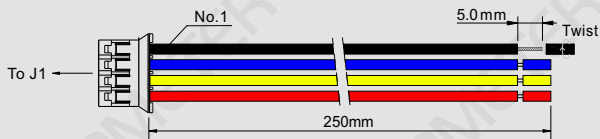


### PORT(J1) DEFINITION AND OPTIONS

Pin No.	Symbol	Wire color	Definition
1	PS(-)	Black	Power Supply Negative
2	IN(C)	Blue	Audio Input Cold Side
3	IN(H)	Yellow	Audio Input Hot Side
4	PS(+)	Red	Power Supply Positive

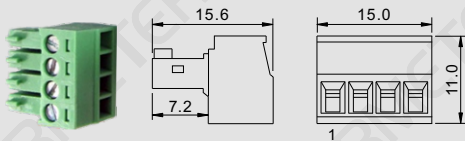
#### CONNECTOR (Accessories for port type A)

WPH-204L25-1



#### AMPHENOL CONNECTOR (Accessories for port type C)

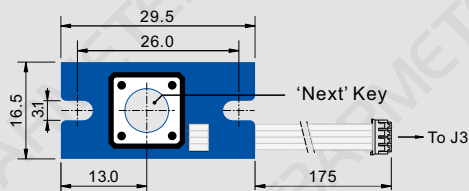
K350-4



Unit:mm

#### KEYBOARD

K1B12L20-1



Unit:mm

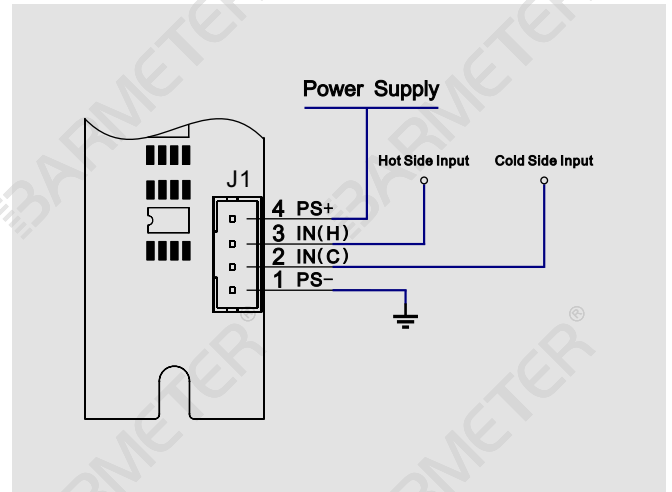
#### NOTES

Press the 'Next' key repeatedly, the module can switch with bar display with peak-hold, bar display, dot display with peak-hold and dot display.

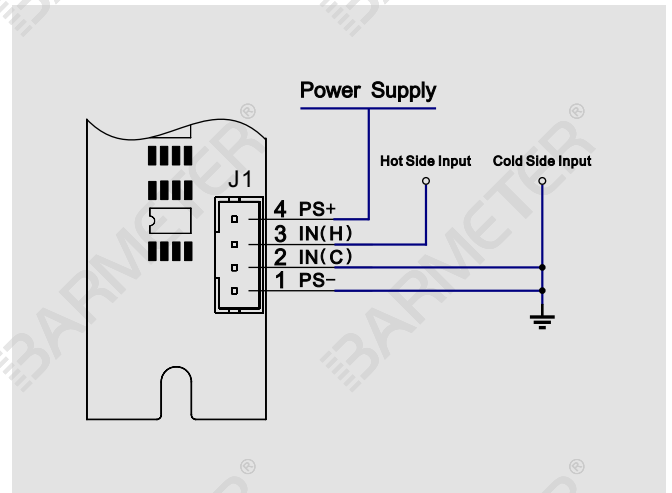
The display mode has memory function. The mode will stay until the 'Next' key is pressed.

### APPLICATION EXAMPLES

#### BALANCED INPUT CONNECTIONS



#### UNBALANCED INPUT CONNECTIONS



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