

VF Series of LEDs Bargraph Meter Modules

vu120PC-5712S

20 Segments Fixed Color Audio Level Meter Module

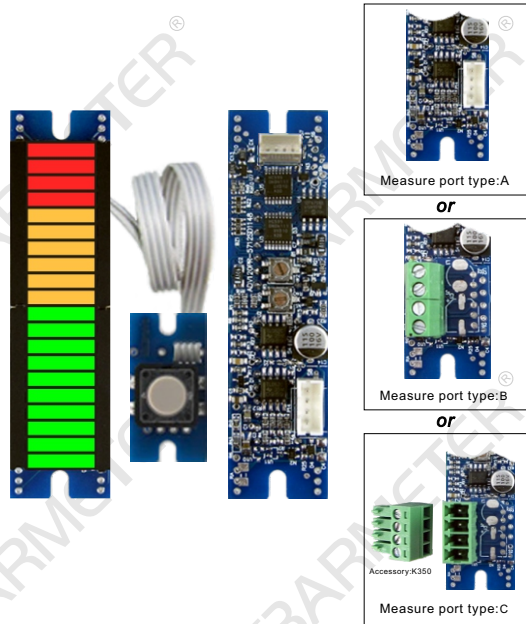
VF
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SUMMARIZE

VF series vu 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 vu volume 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 mean detection, transfer amplification and processed by software. Because of wide impedance match range, the module can be widely used in the display of audio system's audio output, sound console output, programme signal transmitted by lines and volume output by power amplifiery.

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.



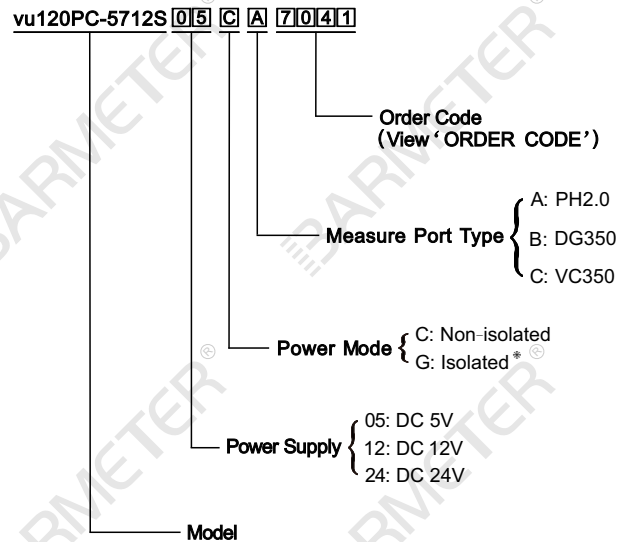
[Http://www.barmeter.com](http://www.barmeter.com)

DESCRIPTIONS

- Input Impedance:** 200kohm,balanced
100kohm,unbalanced
- Output Level For '0' Indication:** +4dBu(at default state)*
- Input Range:** -20vu~+3vu(at default state)
- Amplitude-Frequency Characteristic:** $\pm 0.5\text{vu}$ [31.5Hz~16KHz]
- Sensitivity Adjustment Range:** 3vu
- Response Time:** 300ms $\pm 10\%$
- Peak Hold Time:** 2 s
- Peak Return Time:** 3 s
- Effective Beam Number:** 20 segments
- Bargraph Length:** 57 mm
- Bargraph Width:** 12 mm
- Segment Pitch:** 3.0 mm
- Power Supply and Range :**
 - Non-isolated** Normal: DC5V $\pm 10\%$
Optional: DC12V (10~15V)
DC24V (20~28V)
 - Isolated** DC5V $\pm 5\%$, DC12V $\pm 5\%$, DC24V $\pm 5\%$
Insulating Intension: DC1000V 1min
- Power Consumption:** 300mW(F.S.)
- Environment:** -30~70°C & <85%RH

* default state: the 17th segment is the '0' reference indication, dBu is the decibel unit which take 0.775V as parameter value.

MODEL AND ORDERING CODE



* When choose isolated power mode, signal's unbalanced input(Pin 1 and Pin 2 are common ground) cannot be used.

ORDER CODE

Bar Color	Red	Green	Yellow	10Green+6Yellow+4Red
Order Code	7011	7021	7031	7041

CONNECTION DIAGRAM (J1)

Pin No.	Symbol	Definition
1	PS(-)	Negative Power Supply
2	IN(L)	Audio Input
3	IN(H)	Audio Input
4	PS(+)	Positive Power Supply

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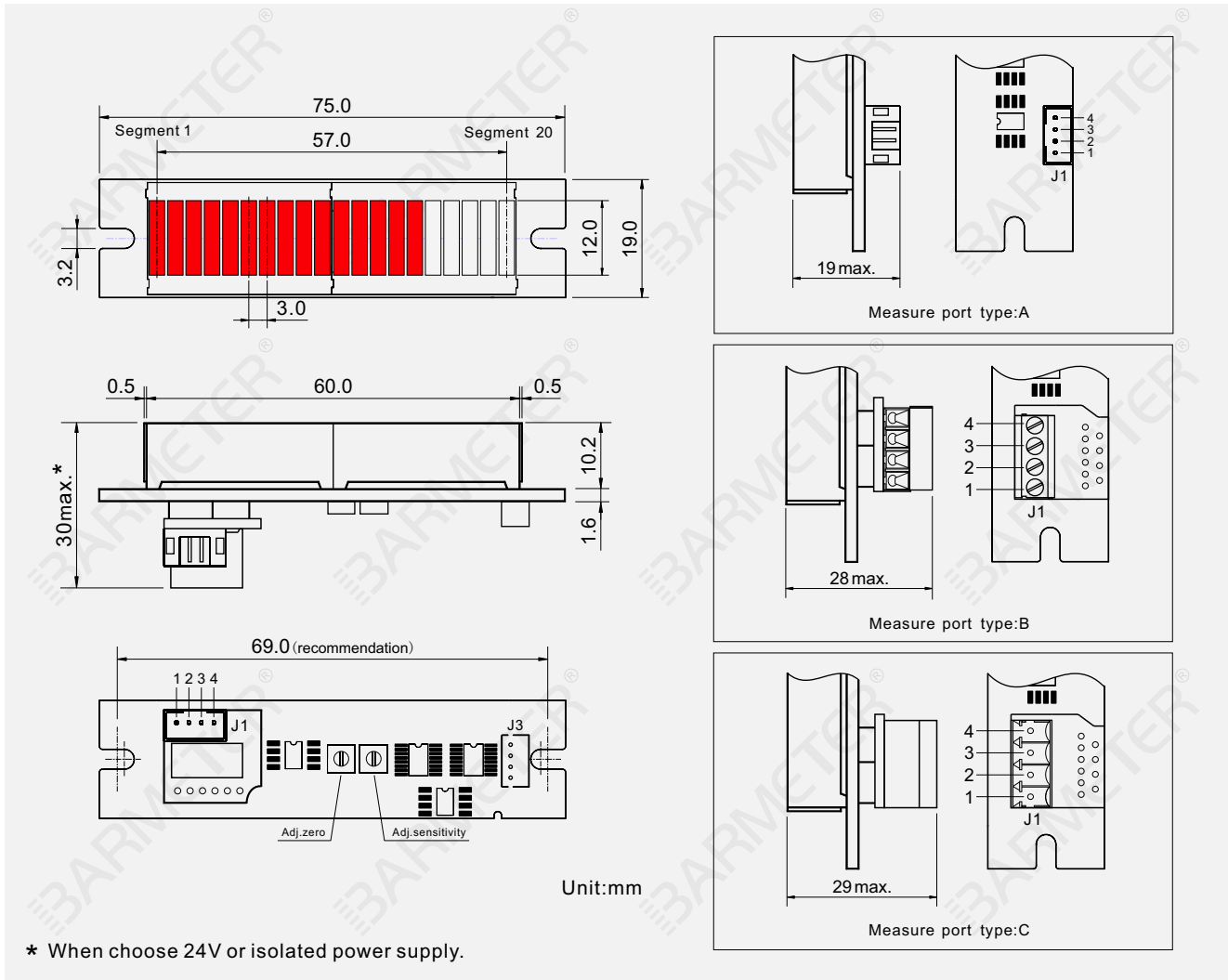
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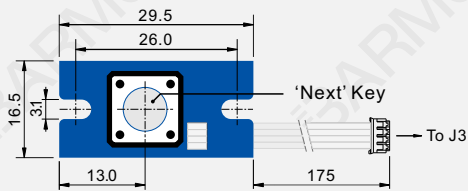
DIMENSION



ACCESSORY

KEYBOARD

K1B12L20-1



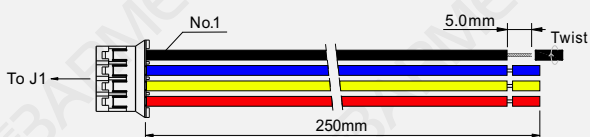
NOTES

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.

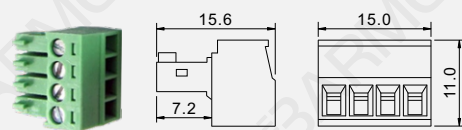
The display mode has memory function. The mode will stay until the 'Next' key is pressed.

CONNECTOR

WPH-204L25-1(Match with measure port type A)



K350-4(Match with measure port type C)



Unit:mm