

# AE Series of LEDs Bargraph Panel Meter

AE1101FW29Z

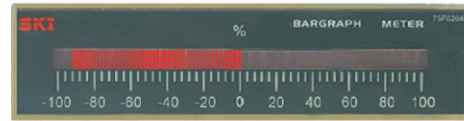
101 Segments Single Bargraph Panel Meter (24X96)

AE

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## FEATURES

- Display Widely by raster with colorful and fine lines.
- Wide range power supply and low power consumption.
- Embedded structure meter so than can be installed easily .
- Used in measure and display DC or AC value .



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

## DESCRIPTIONS

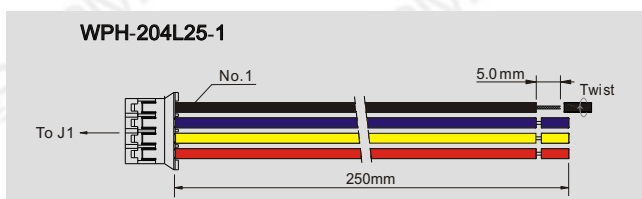
- **Input Type:** Current, Voltage, Rheostat
- **Max. Input Over Capability :**  $2 \times$  Input value
- **Input Resistance Via For Volt Meter :**  $> 500K\Omega$
- **Resistance Via For Current Meter :**  $< 50\Omega$
- **Measuring Accuracy :**
  - 1. Current, Voltage  $\pm 0.5\% \text{ F.S.} \pm 1 \text{ Segment}$
  - 2. Rheostat  $\pm 1.0\% \text{ F.S.} \pm 1 \text{ Segment}$
- **Effective Beam Number :** 101 Segments
- **Bargraph Length:** 75 mm
- **Bargraph Density:** 13 Segments per centimeter
- **Segment Width:** 4.0mm
- **Zero and Full Adjust Ratio :**  $\pm 10 \sim 20\%$
- **Power Supply and Range :** Normal: DC5V  $\pm 10\%$   
Optional: DC12V (10~15V)  
DC24V (20~28V)
- **Power Consumption :**  $\leq 350\text{mW (F.S.)}$
- **Environment :**  $-30 \sim 70^\circ\text{C} \text{ \& } < 85\% \text{RH}$
- **Insulating Intension (Isolated Power):** DC1000V 1min

## MODEL AND ORDERING CODE

AE1101FW29Z 05C7014V

- Bar Pointing { V: Vertical View  
H: Horizontal View
- Order Code (View 'ORDER CODE')
- Power Supply Mode { C: Non-isolated  
G: Isolated
- Power Supply { 05: DC 5V  
12: DC 12V  
24: DC 24V
- Model

## WIRE ACCESSORY



## CONNECTION DIAGRAM

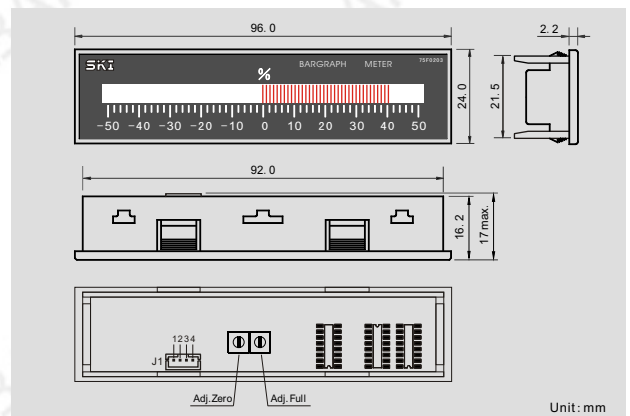
| No. | Symbol | Wire color | Definition      |
|-----|--------|------------|-----------------|
| 1   | PS+    | Black      | Power Supply(-) |
| 2   | IN(L)  | Blue       | Input low       |
| 3   | IN(H)  | Yellow     | Input High      |
| 4   | PS-    | Red        | Power Supply(+) |

## ORDER CODE

| Input Middle Value Bar Color | -1~+1V 0V | -2.5~+2.5V 0V | -5~+5V 0V | -5~+5mA 0mA | -10~+10mA 0mA |
|------------------------------|-----------|---------------|-----------|-------------|---------------|
| Red                          | 7011      | 7012          | 7013      | 7014        | 7015          |
| Green                        | 7021      | 7022          | 7023      | 7024        | 7025          |
| Yellow                       | 7031      | 7032          | 7033      | 7034        | 7035          |

| Input Middle Value Bar Color | -10~+10V 0V | 0~5V 2.5V | 1~5V 3V | 0~10mA 5mA | 4~20mA 12mA |
|------------------------------|-------------|-----------|---------|------------|-------------|
| Red                          | 7016        | 7017      | 7018    | 7019       | 7020        |
| Green                        | 7026        | 7027      | 7028    | 7029       | 7030        |
| Yellow                       | 7036        | 7037      | 7038    | 7039       | 7040        |

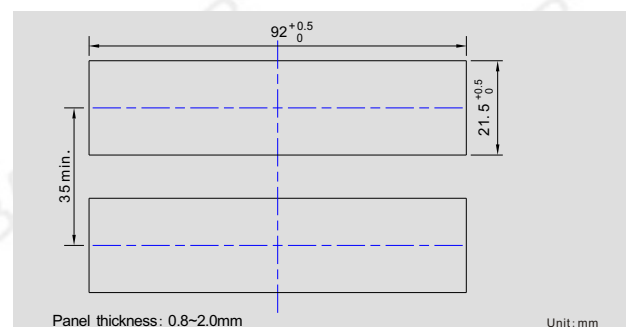
## DIMENSION



## NOTES

Adjust zero when the absolute value of negative signal input is maximum.  
Adjust full when the positive signal input is maximum.

## PANEL CUTOUT



**BARMETER**

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