

AS Series of LEDs Bargraph Meter Modules

AS140P-11712S

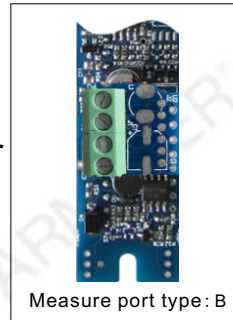
40 Segments 117mm Single Bar-Meter Module

AS



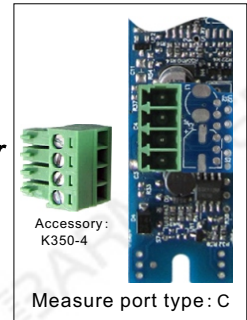
Measure port type: A

or



Measure port type: B

or

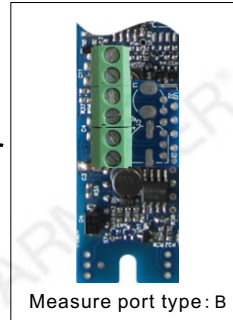


Measure port type: C



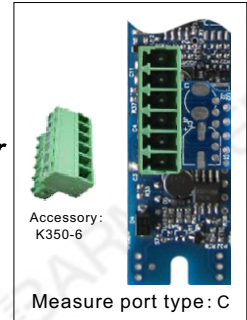
Measure port type: A

or



Measure port type: B

or



Measure port type: C

SPECIFICATIONS

FEATURES

- Rectangle windows technics with soft tint.
- Single module struct, easy to install.
- Wide range of power supply and low power consumption.
- Used to measure and display DC value.

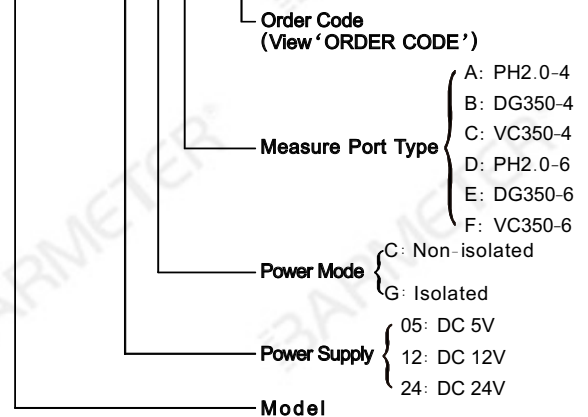
[Http://www.barmeter.com](http://www.barmeter.com)

■ DESCRIPTIONS

- **Input Mode:** Current, Voltage, Potentiometer, Pt100 RTD
- **Max. Input Over Capability:** 2× Input value
- **Input Resistance Via For Volt Meter:** > 500KΩ
- **Resistance Via for Current Meter:** < 50Ω
- **Measuring Accuracy:**
 - Current, Voltage: $\pm 0.5\%$ F. S ± 1 Segment
 - Potentiometer, Pt100 RTD: $\pm 1.0\%$ F. S ± 1 Segment
- **Effective Beam Number:** 40 Segments
- **Bargraph Length:** 117mm
- **Segment pitch:** 3.0 mm
- **Bargraph Width:** 12 mm
- **Zero and Full Adjust Ratio:** $\pm 10\sim 20\%$
- **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:** $\leq 250\text{mW}$ (F.S.)
- **Environment:** $-30\sim 70^\circ\text{C}$ & $< 85\%\text{RH}$

■ MODEL AND ORDERING CODE

AS130P-8712S 05 C A 70114



■ ORDER CODE

Bar color	0~5V	1~5V	0~10mA	4~20mA	0~10V
Red	7011	7012	7013	7014	7015
Green	7021	7022	7023	7024	7025
Yellow	7031	7032	7033	7034	7035

Bar color	Potentiometer	Pt100 RTD -30~100°C	Pt100 RTD 0~400°C
Red	7016	7017	7018
Green	7026	7027	7028
Yellow	7036	7037	7038

BARMETER

Barmeter Electronics Co., Ltd.

TEL: 86-21-68065675, 68065676 FAX: 86-21-68065673

No.5998 Yanggao Rd(s). Shanghai [Http://www.barmeter.com](http://www.barmeter.com)

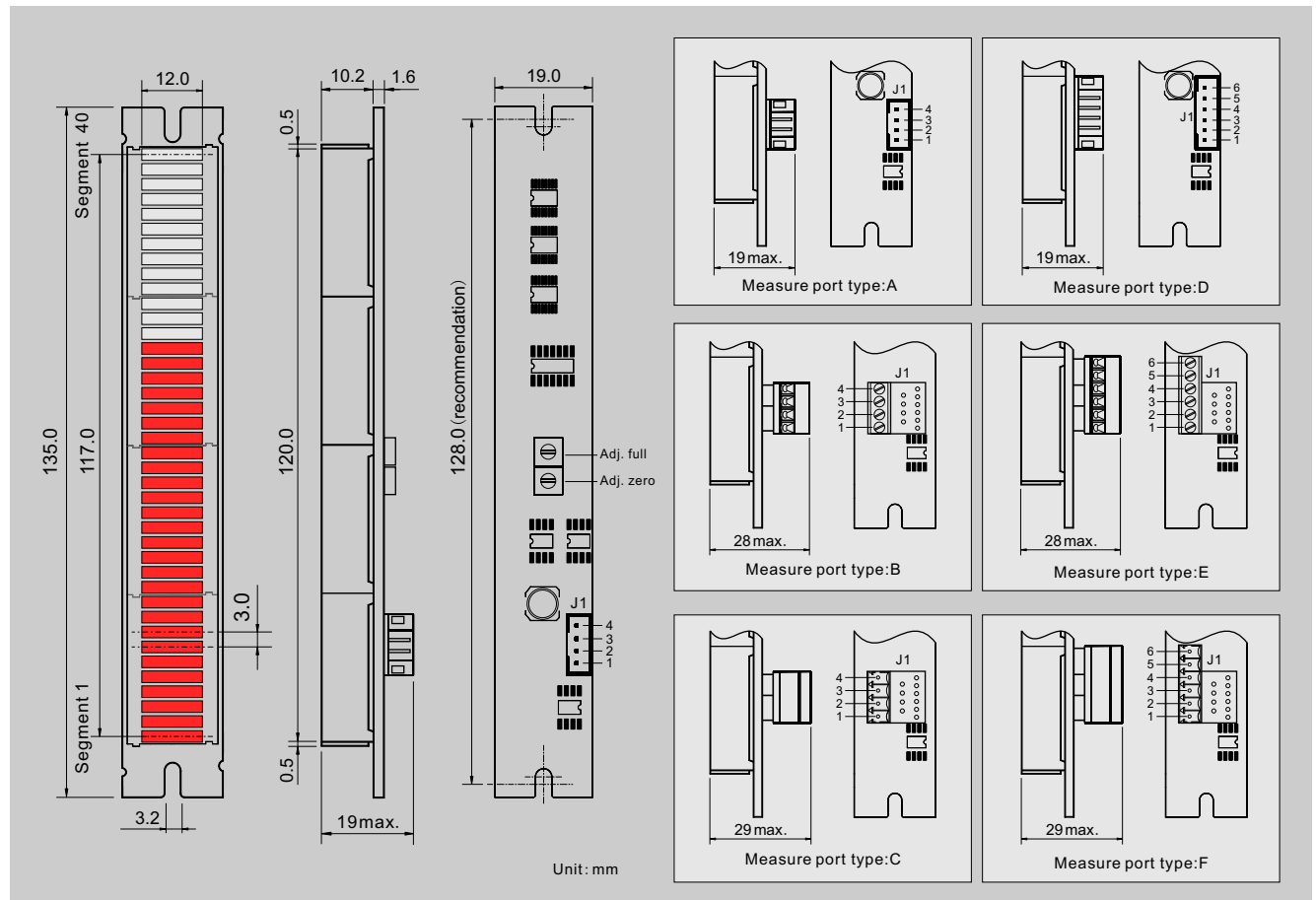
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DIMENSION



CONNECTION DIAGRAM (J1)

4-Pin Connector

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

Notes:

4-pin connector will be supplied when the input type is voltage or current.

6-pin connector will be supplied when the input type is potentiometer or Pt100 RTD.

6-Pin Connector

Pin No.	Symbol	Wire color	Definition
1	PS(-)	Black	Negative Power Supply
2	NC / Pa	Blue	Undefined (for potentiometer input) / one input port for Pt100 RTD
3	Rc / Pb	Yellow	One input port for potentiometer / Pt100 RTD
4	PS(+)	Red	Positive Power Supply
5	Rb / NC	Purple	One input port for potentiometer / Undefined (for Pt100 RTD input)
6	Ra / Pg	White	One input port for potentiometer / Pt100 RTD

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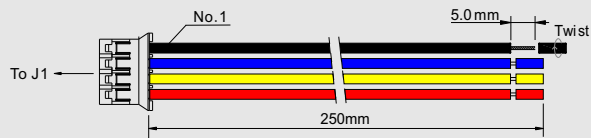
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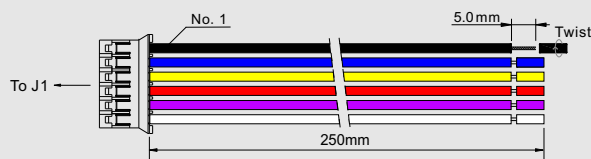
S

• CONNECTOR

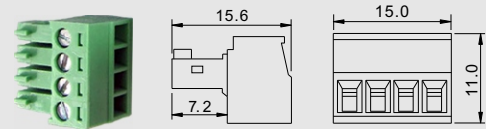
WPH-204L25-1 (Match with measure port type A)



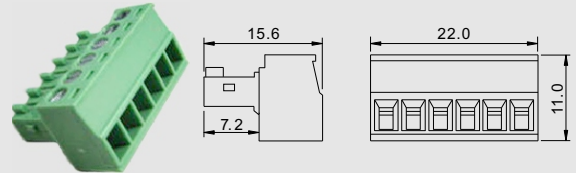
WPH-206L25-1 (Match with measure port type D)



K350-4 (Match with measure port type C)



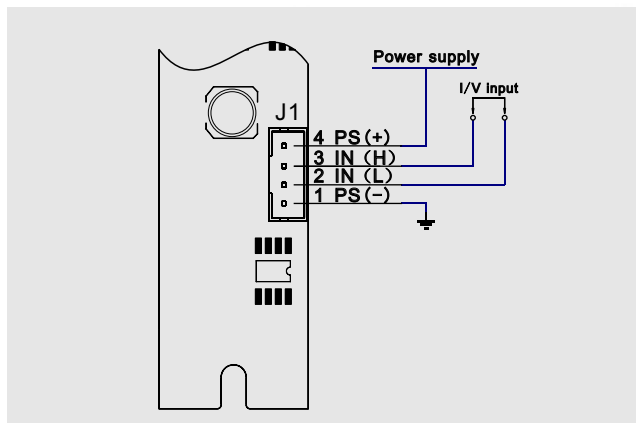
K350-6 (Match with measure port type F)



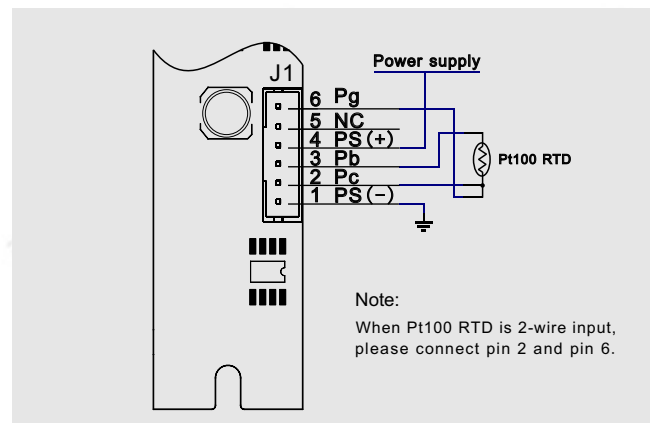
Unit: mm

■ APPLICATION EXAMPLES

• Voltage/Current



• Pt100 RTD



• Potentiometer

